

Pt. Ravishankar Shukla University
Raipur, Chhattisgarh



SELF STUDY REPORT

Part II
Cycle 3

DEPARTMENT-WISE
EVALUATIVE REPORT

Submitted to
National Assessment and Accreditation Council
Bangalore – 560072

Pt. Ravishankar Shukla University
Raipur, Chhattisgarh



SELF STUDY REPORT

Part II
Cycle 3

DEPARTMENT-WISE **EVALUATIVE REPORT**

Submitted to
National Assessment and Accreditation Council
Bangalore – 560072

Content

	Page
Part I	
Preamble	i
Composition of IQAC	ii
Core SSR Scripting Committee	iii
Steering Committee – Third Accreditation Cycle	iv
Making of the SSR-RAR	v
Glossary of Abbreviations	vi-xiv
Executive Summary	xv-xxviii
Action Taken Report	xxix-xxxiii
A. Profile of the University	1-15
B. Criterion-wise Inputs	
01. Criterion I : Curricular Aspects	16-25
02. Criterion II : Teaching-Learning and Evaluation	26-38
03. Criterion III : Research, Consultancy and Extension	39-72
04. Criterion IV : Infrastructure and Learning Resources	73-83
05. Criterion V : Student Support and Progression	84-97
06. Criterion VI : Government and Leadership	98-118
07. Criterion VII : Innovative Practices	119-125
C. Declaration	126
D. Enclosure-I: 2f of UGC	127
Enclosure-II: 12B of UGC	
Enclosures-III: SRA	
Enclosure-IV: Prospectus 2015-16	
Enclosure-V: Compliance report of PCI	
Enclosure-VI: NAAC Certificate	
Enclosure-VII: NAAC Peer Team Report	
Part II	
Evaluative Report of the Departments	
01. SoS in Ancient Indian History Culture & Archaeology	1-9

02.	SoS in Anthropology	10-28
03.	SoS in Biotechnology	29-50
04.	SoS in Chemistry	51-79
05.	SVM SoS in Comparative Religion, Philosophy & Yoga	80-88
06.	SoS in Computer Science & Information Technology	89-101
07.	SoS in Economics	102-112
08.	SoS in Electronics and Photonics	113-130
09.	SoS in Environmental Science	131-138
10.	SoS in Geography	139-155
11.	SoS in Geology & Water Resource Management	156-165
12.	SoS in History	166-177
13.	SoS in Law	178-190
14.	SoS in Library & Information Science	191-200
15.	SoS in Life Sciences	201-227
16.	SoS in Literature & Languages	228-245
17.	Institute of Management	246-265
18.	SoS in Mathematics	266-285
19.	University Institute of Pharmacy	286-320
20.	SoS in Physical Education	321-336
21.	SoS in Physics & Astrophysics	337-357
22.	SoS in Psychology	358-371
23.	SoS in Regional Studies & Research	372-387
24.	SoS in Sociology	388-400
25.	SoS in Statistics	401-412
26.	Institute of Teachers Education	413-419
27.	Centre for Women's Studies	420-429
	Declaration	430
	Glossary of Abbreviations	431

Evaluative Report of the Department

1. Name of the Department: SoS in Ancient Indian History Culture & Archaeology
2. Year of establishment: 2001
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A.	PG	AIHC & Arch.	2001
2.	M.Phil.	Research	AIHC & Arch.	2007
3.	Ph.D.	Research	AIHC & Arch.	2001
4.	P.G.D.T.H.M.	PG Diploma	Tourism & Hotel Mgmt.	2002

5. Interdisciplinary programs and departments involved

Program: Ph.D./ M.Phil.
Department involved: History, Sociology

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil., P.G.D.T.H.M
- Semester - M.A. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professor	1	1	1
Assistant Professor	1	1	1
Contract Teachers	-	-	2
Guest Teachers	-	-	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
DN Parihar	Ph.D., PG Diploma – Yoga,	Associate Professor and Head	Epigraphy , Palaeography, Regional History	10	6 (4)*	12
N Mishra	Ph.D.	Assistant Professor	Pre & Political History	2	0	3
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	PG Program	
	AIHC & Archaeology	Tourism & Hotel Management
2010-2011	25	100
2011-2012	25	100
2012-2013	25	100
2013-2014	25	100
2014-2015	25	100
2015-2016	25	100

14. Program-wise Student Teacher Ratio

Session	M.A.	M.Phil.	P.G.D.T.H.M.
2010-2011	1:3	1:2	1:7
2011-2012	1:3	1:1	1:9
2012-2013	1:4	1:2	1:12
2013-2014	1:7	2:0	1:11
2014-2015	1:7	1:4	1:12
2015-2016	1:6	1:2	1:11
Median	1:5	1:5	1:10

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	1	1	1
Administrative Staff	1	1	1

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency
1.	Regional History, Ancient Indian History, Archaeology	UGC, ICHR, State Govt.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a) State recognition	-
b) National recognition	UGC – ICHR, Archaeological Survey of India
c) International recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
○ Number of papers published in peer reviewed journals (national/ international)	-	12	6/ Faculty
○ Monographs	-		
○ Chapters in Books	-		
○ Edited Books	1		
○ Books with ISBN with details of publishers 1. Hindu <i>Vivha ka paramparik v vavdhanik swaroop</i> , by Dinesh Nandini parihar, Neetu Singh (14 Jan 2014) ISBN-978-81-7702-339-8, <i>Pratibha Prakashan</i> Publishing	1		

S. No.	Journals	Faculty name	Year	ISSN
1.	<i>Manaviki – Vol 3</i>	DN Parihar	2012	0975-7880
2.	<i>Itihas Darshan – Vol 16</i>	DN Parihar	2012	0975-8860
3.	Madhya Pradesh Itihas Parisad –Vol 25	DN Parihar	2012	2231-2749
4.	Research Journal of Humanities & Social Science Vol 3	DN Parihar	2012	0975-6795
5.	<i>Koshal – Directorate of Culture & Arch Vol 5</i>	DN Parihar	2012	2229-4546
6.	<i>Manaviki – Vol 4</i>	DN Parihar	2013	0975-7880
7.	Madhya Pradesh <i>Itihas Parisad –Vol 26</i>	DN Parihar	2013	2231-2749
8.	History Times Vol 1	DN Parihar	2013	1314-2321-5054
9.	<i>Koshal – Directorate of Culture & Arch Vol 6</i>	DN Parihar	2013	2229-4546
10.	Journal of Ravishankar University Vol -19-21	DN Parihar	2014	09705910
11.	<i>Koshal – Directorate of Culture & Arch Vol 7</i>	DN Parihar	2014	2229-4546
12.	<i>Koshal – Directorate of Culture & Arch Vol 8</i>	DN Parihar	2015	2229-4546

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

None

26. Faculty serving in

- National committees
- International committees
- Editorial Boards
- any other (please specify)

DN Parihar**National committees**

- Member – Indian Archaeological Society
- Member – Pilgrim Society of India
- Member – Mahamana Malviya Mission

- Member – *Antrastriya Sahyog Parishad*
- Member – *Madhya Pradesh Itihas Parishad*

Editorial Boards

- *Journal of Madhya Pradesh Itihas Parishad*

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Nil

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

M.A.: 100% in house

M.Phil.: 100% in house

P.G.D.T.H.M.: 100% in house

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Doctoral students**Award/ Fellowship**

2010

- Pradeep Sahu: Pankaj Vikram Sports award

2011

- Navin Tripathi: PhD – ICHR Fellowship

2012

- Rajiv Minj: PhD – Rajiv Gandhi Fellowship
- Sandhya Sharma: PhD – ICHR Fellowship
- Dhola Mani Sahu: PhD – ICHR Fellowship

2013

- Lekhraj Raj Mandlay: M.Phil. Rajiv Gandhi Fellowship
- Ved Ram Gayakwad: M.Phil. Rajiv Gandhi Fellowship

2014

- Hegreev Parihar: M.Phil. – ICHR Fellowship
- Bhenu Thakur: M.Phil. – ICHR Fellowship

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. Keynote & 4-5 speakers

	Program	Source of funding	Outstanding participants
Seminar	National Seminar on Philosophy of Nagarjuna, 13 January 2014	Tourism Board, Central University of Tibetan Studies, Sarnath, UGC	N Samten SD Kapoor SR Bhatt LN Shstri L Prasad P Gokhale DK Mohanta

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A.					
2010-2011	08	05	03	100	100
2011-2012	06	04	02	100	100
2012-2013	06	04	02	100	100
2013-2014	09	04	05	100	100
2014-2015	24	14	10	79	90
2015-2016	18	13	05	-	-
M.Phil.					
2010-2011	05	02	03	100	100
2011-2012	02	01	01	100	100
2012-2013	03	02	01	100	100
2013-2014	00	00	00	100	100
2014-2015	08	02	06	100	100
2015-2016	05	04	01	-	-
P.G.D.T.H.M.					
2010-2011	11	09	02	-	-
2011-2012	09	07	02	-	-
2012-2013	24	14	10	100	90
2013-2014	21	15	06	100	12
2014-2015	23	13	10	100	90
2015-2016	22	15	07	-	-
Ph.D.					
2010-2011	06	04	02	100	100
2011-2012	00	00	00	-	-
2012-2013	00	00	00	-	-
2013-2014	04	03	01	-	-
2014-2015	01	01	00	-	-
2015-2016	00	00	00	-	-

33. Diversity of students to be filled with data from the department

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from Other Countries
M.A.	2015-16	100	00	00	00
M.A.	2014-15	100	00	00	00
M.A.	2013-14	66	00	34	00
M.A.	2012-13	83	00	17	00
M.A.	2011-12	83	00	17	00
M.A.	2010-11	100	00	00	00
P.G.D.T.H.M.	2015-16	91	00	9	00
P.G.D.T.H.M.	2014-15	79	00	21	00
P.G.D.T.H.M.	2013-14	83	00	17	00
P.G.D.T.H.M.	2012-13	92	00	8	00
P.G.D.T.H.M.	2011-12	83	00	17	00
P.G.D.T.H.M.	2010-11	90	00	10	00
M.Phil.	2015-16	75	00	25	00
M.Phil.	2014-15	75	00	25	00
M.Phil.	2013-14	-	-	-	-
M.Phil.	2012-13	100	00	00	00
M.Phil.	2011-12	100	00	00	00
M.Phil.	2010-11	80	00	20	00

Ph.D.	2015-16	100	00	00	00
Ph.D.	2014-15	100	00	00	00
Ph.D.	2013-14	100	00	00	00
Ph.D.	2012-13	100	00	00	00
Ph.D.	2011-12	100	00	00	00
Ph.D.	2010-11	100	00	00	00

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Gopal Devangan	UGC NET	2010	OBC
2.	Prabhat Singh	UGC NET	2010	General
3.	Navin Tripathi	JRF - ICHR	2011	General
4.	Rajiv Minj	JRF - ICHR	2011	ST
5.	Priya Diwan	JRF - ICHR	2012	General
6.	Dholamani Sahu	JRF - ICHR	2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	85
PG to M.Phil.	30
PG to Ph.D.	54
Ph.D. to Post-Doctoral	50
Employed	
□ Campus selection	-
□ Other than campus recruitment	70
Entrepreneurs	20

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	Nil
from other universities within the State	Nil
from universities from other States	100%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

01

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	3
c) Class rooms with ICT facility	1
d) Students' laboratories	0
e) Research laboratories with ICT facility	0

39. List of doctoral, post-doctoral students and Research Associates

- a) from the host institution/ university

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Navin Tripathi	LS Nigam	2012	AIHC & Arch.
2.	Dholamani Sahu	LS Nigam	2012	AIHC & Arch.
3.	Priya Diwan	LS Nigam	2014	AIHC & Arch.
4.	Sandhya Sharma	LS Nigam	2015	AIHC & Arch.

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of registration / Admission	Subject
1.	Akash Singh	DN Parihar	2013	AIHC & Arch.
2.	Subhra Rajak	DN Parihar	2013	AIHC & Arch.
3.	Pratap Das	DN Parihar	2013	AIHC & Arch.
4.	Suresh Sahu	DN Parihar	2013	AIHC & Arch.
5.	Ankush Devangan	DN Parihar	2015	AIHC & Arch.

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes. The feedback is analysed and suitable actions taken for improvement on the basis of suggestions made by the faculties in course curriculum design & improvements of teaching methods.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	<ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Name	Course	Year	Current Position Held
<i>National</i>				
1.	Navin Mishra	Ph.D.	2012	Teacher (Grade 1) Durg, School Education - State Government
2.	Dholamani Sahu	Ph.D.	2013	Assistant Professor, Kalinga University, Raipur
3.	Priya Diwan	Ph.D.	2014	Editor – Directorate of Higher Education Publication Division, Raipur C.G.
4.	Sandhya Sharma	Ph.D.	2015	Assistant Professor, Mahasamund Govt. College
5.	Rupendra Dehariya	M.Phil.	2010	Assistant Professor – Gariyabandh BEd College
6.	Ritu Singh	M.Phil.	2011	Assistant Professor – Degree College, Mirzapur
7.	Rajeev Minj	M.Phil.	2011	Assistant Professor – Kushabhao Thakre Journalism & Mass Communication University, Raipur

In Administration:

1.	Prabhat Singh	M.A.	2010	Archeological Officer, Directorate of Culture & Archeology, C.G.
2.	Dipiti Goswami	M.A.	2010	Curator - MGM Museum, Raipur

3.	Pradeep Sahu	M. Phil.	2010	Directorate of Sports, Sports Officer, C.G. Govt.
----	--------------	----------	------	--

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
World Tourism Day Celebration	2014	<ul style="list-style-type: none"> Vishnu Dev Sahay, Minister at the Center, GOI Susheel Trivedi, Ex-Election Commissioner
World Tourism Day Celebration	2015	<ul style="list-style-type: none"> Pramod Dubey, Mayor Ramesh Naiyar, Journalist Susheel Trivedi, Ex-Election Commissioner

Conferences & Workshops: 2010 – 2015

Invited lectures 2010-2015:

Invited Speaker	Year
<ul style="list-style-type: none"> KK Mohammad (ASI) 	2011
<ul style="list-style-type: none"> SK Sulare 	2011
<ul style="list-style-type: none"> Vibha Tripathi 	2012
<ul style="list-style-type: none"> Sadhu Charan Panda 	2012

45. List the teaching methods adopted by the faculty for different programs.

- Class Room Teaching
- Power Point Presentation (LCD)
- Class room discussion
- Continuous Assessment
- The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.
- Interactive method: Seminars/ Class presentations and Group discussions
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.
- Broad band internet facility is available which encourages the faculty to fit with computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow & PG classroom for effective teaching.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in staff council meetings held regularly monthly basis.
- Discussions and monitoring on results at end of each session and reforms required
- Internal Assessment/ Continues evaluation by Class test and Presentation
- Regular viva-voce in practical

Strategy	Methodology
<ul style="list-style-type: none"> Staff Council 	Monthly meeting and interaction
<ul style="list-style-type: none"> DRC 	Progress of research activity
<ul style="list-style-type: none"> Feedback 	Feedback analyzed and discussed in Staff Council meeting
<ul style="list-style-type: none"> Attendance 	Monitored twice in the semester
<ul style="list-style-type: none"> Internal Assessment 	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

- All students & faculties participate in most of the programs, events, and workshops organized in the University
- Participate in ASI & Directorate of Archaeology & Culture seminar & workshops & excavation site
- Department of Tourism Chhattisgarh events & program related to Tourism
- Swachta Abhiyan
- Stone bits technology workshop in Indian Institute of Technology, Gandhinagar

48. Give details of “beyond syllabus scholarly activities” of the department.
- Department organized programs, such as “World Tourism Day;” 3-day National level event in the University campus.
 - Organisation of student seminars
 - Educational Tour every year for one week outside the state (Monuments & heritage sites or places of cultural importance)
 - Organising world Heritage day
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes; Reviews written by faculties work as resource materials in other Universities.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.A.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- The only centre of higher studies for AIHCA in Chhattisgarh region
- The department promotes heritage tourism in its course curriculum
- Provides training to the students in the hospitality management
- *Virasaat Sanskriti Jharokha* Museum sanctioned & funded by Department of Culture, Chhattisgarh Government

Weaknesses

- Insufficient infrastructural facilities
- Limited linkages with industries

Opportunities

- Enormous scope to carry out research in the area of local cultural heritage
- Increasing awareness in local population for tourism & archaeology

Challenges

- Scope for studies on inventORIZATION and conservation of ancient manuscripts
- To develop archaeological museum

52. Future plans of the department.

- Initiation of PG Diploma in Museology and Archaeology, & short term Certificate programs
- Introduction of short term skill based certificate program in Tourism & Hospitality
- Planning for acquiring infrastructure facilities for excavation, conservation & preservation techniques

Evaluative Report of the Department

1. Name of the Department: School of Studies in Anthropology
2. Year of establishment: 1965
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Life Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Subject	Year of Initiation
1	M.A./ M.Sc.	Anthropology	1965
2	M.Phil.	Anthropology	2007
3	Ph.D.	Anthropology	1965
4	PG Dip in Criminology & Forensic Science	Forensic Science	2007

5. Interdisciplinary programs and departments involved
Program: Ph.D. Anthropology
Departments Involved: Physical Education, Psychology, Pharmacy
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester – i) M.A./M.Sc. III with Choice Based Credit System from the Academic Session: 2015-16
ii) PG Diploma in Criminology & Forensic Science
9. Participation of the department in the courses offered by other departments
 - Not on Regular Basis
 - Faculty members, however, delivered lectures on certain portions of syllabus in following departments:

Regional Studies	JK Premi
Women Study Centre	M Chakravarty & JK Premi

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (Including CAS & MPS)
Professor	1	1	3
Associate Professor	3	1	1
Assistant Professor	4	3	1
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
A KUMAR	M.Sc. (Hons. Sch.), Ph.D.	Professor	Archaeological Anthropology	24	02(3)*	03
M Mitra	M.Sc., Ph.D.	Professor	Physical Anthropology	30	04(05)	02
M Chakravarty	M.Sc., Ph.D.	Professor	Physical Anthropology	26	(05)	02
AK Pradhan	M.Sc., Ph.D.	Associate Professor	Physical Anthropology	10	01(05)	04
JK Premi	M.Sc., UGC-NET, Ph.D.	Assistant Professor	Social Anthropology	10	(01)	00

*Currently working

12. List of senior Visiting Fellows, Adjunct Faculty and Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information(2015-16)

Session	M.A./ M.Sc.
2010-2011	25.00
2011-2012	25.00
2012-2013	25.00
2013-2014	24.35
2014-2015	28.05

14. Program-wise Student Teacher Ratio

Session	M.A./ M.Sc.	M.Phil.
2010-2011	8.6:1	1.4:1
2011-2012	5.4:1	0.6:1
2012-2013	4.6:1	0.6:1
2013-2014	5.6:1	-*
2014-2015	8.0:1	-*
2015-2016	9.0:1	-*
Median	6.8:1	0.6:1

*None qualified in entrance examination

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	4	3	3
Administrative Staff	3	2	2

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Genomic & Cultural Diversity	UGC -SAP	2007-2012
2.	Human Genomic Diversity and Dissection of Complex Diseases	DST-FIST	2014-2019

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) total grants received. Give the names of the funding agencies, project title and grants received Project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
M Mitra (Co-PI)	Department of Ayush, Government of India (HQ at MASS, Pune)	Mainstreaming of Ayush in NRHM in Chhattisgarh	2008-11	(Received at MASS, Pune)
JK Premi	UGC	Perspective of behaviour and involvement of men in reproductive health: A bio-cultural exploration of Baiga tribe of Chhattisgarh	2009-11	0.99
M Mitra (Consultant for C.G. and A.P.)	Media Foundation, Delhi (HQ at Delhi)	Assessment of performance and reception of the public service broadcasting in Chhattisgarh: A study of viewers' perception & its impact on disadvantage groups	2012-13	NA
M Mitra (Co-PI)	Department of Ayush, Government of India (HQ at MASS, Pune)	Ethnography of traditional maternity practices among lady doctors: Case study of Chhattisgarh State in India	2012-13	(Received at MASS, Pune)
M Chakravarty/ A Pradhan	Election Commission	Baseline sample survey of knowledge attitude, behaviour, belief and practices of electors in Raipur division (CG)	2013-14	2.47
M Chakravarty/ A Pradhan	Election Commission	Compilation of baseline sample survey of knowledge attitude, behaviour, belief and practices of electors in Chhattisgarh	2013-14	1.10
M Chakravarty/ A Pradhan	Election Commission	End line sample survey of knowledge attitude, behaviour, belief and practices of electors in Raipur division and Chhattisgarh	2013-14	9.46
M Chakravarty/ A Pradhan	Election Commission	Compilation of end line sample survey of knowledge attitude, behaviour, belief and practices of electors in Chhattisgarh	2013-14	1.55
A Kumar/ JK Premi	WCD Dept., CG Govt.	Missing children of Chhattisgarh socio-economic survey	2014-15	10.00
<i>Ongoing projects:</i>				
AK Pradhan	Samvad, (Govt. of CG)	Chhattisgarh Shashan ki Yojnao/ Karyakramo ke Dastavejikan Evem Case Study Bavat (Baiga PVTG Adhyayan ke Vishesh Sandarbh me)	2015	2.00
	Samvad,	Chhattisgarh Shashan ki	2015	2.00

	(Govt. of CG)	Yojnao/ Karyakramo ke Dastavejikan Evem Case Study Bavat Adhyayan (Kamar PVTG ke Vishesh Sandarbh me)		
	Samvad, (Govt. of CG)	Chhattisgarh Shashan ki Yojnao/ Karyakramo ke Dastavejikan Evem Case Study Bavat Adhyayan (Birhor PVTG ke Vishesh Sandarbh me)	2015	2.00
	Samvad, (Govt. of CG)	Chattisgarh Shashan ki Yojnao/ Karyakramo ke Dastavejikan Evem Case Study Bavat Adhyayan (Abujhmaria PVTG ke Vishesh Sandarbh me)	2015	2.00
	Samvad, (Govt. of CG)	Chattisgarh Shashan ki Yojnao/ Karyakramo ke Dastavejikan Evem Case Study Bavat Adhyayan (Hill Korwa PVTG ke Vishesh Sandarbh me)	2015	2.00
M Mitra	DST (Multi-Institutional Project with headquarter at Department of Biochemistry, Calcutta University)	Towards Understanding Post Gene Regulation in <i>P. Falciparum</i> Malaria: An insight into disease pathogenesis	2014	49.15 (Received at Calcutta University)

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)
National	NCNR*	DST, New Delhi	905.00
National	i) Dept. of Biochemistry, Calcutta Univ., Kolkata ii) I.S.I., Kolkata	DST, New Delhi	49.15
State	Economic, Sociology & Psychology Departments	WCD, C.G. Government	10.00

*Institutional project with the participation of the five departments

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc. total grants received.

Funding Agency	Program	Period	Amount (INR in Lac)
UGC	DRS-SAP	2007-12	36.14
DST	FIST	2014-19	39.00

20. Research facility / centre with:

a) State recognition	i) ChiPS (C.G. Govt.) ii) Samvad (C.G. Govt.) iii) State Election Commission, (C.G. Govt.) iv) Women Child Development (C.G. Govt.)
b) National recognition	DBT, UGC, DST, INTACH, AYUSH
c) International recognition	i) Mekelle Univ., Ethiopia ii) Society of South Asian Archaeology

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number	Average
○ Number of papers published in peer reviewed journals (national / international)	72	14.4
○ Monographs/ Reports	06	1.2
○ Chapters in Books	7	1.4
○ Edited Books	1	0.2
○ Books with ISBN with details of publishers	1	0.4
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	2	0.4
○ Citation Index – range / average	1-297	3.55
○ Total citation [SCOPUS/ Google Scholar]	786	
○ Impact Factor – range / average	0.609-10.987	8.115
○ h-index [Google Scholar/ SCOPUS]	Faculty	Google Scholar
	M Mitra	08
	M Chakravarty	04
	A Kumar	02
	JK Premi	01

Publications of Faculty in indexed Journals**M Mitra**

1. Basu, M., Maji, A.K., Mitra, M. and Sengupta, S. (2013). Natural selection and population genetic structure of domain-I of *Plasmodium falciparum* apical membrane antigen-1 in India. *Infection, Genetics and Evolution: Journal of Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases (MEEGID)*, 18, 247-256 [JIF: 3.128] (ISSN: 1567-1348).
2. Premi, J.K., Sarkar, S., Pradhan, A. and Mitra, M. (2010). Perception and attitude regarding illness and health among the Sawara Tribes of Chhattisgarh. *Man in India*, 90(3-4), 601-610.

M Chakravarty

1. Kosaria, S. and Chakravarty, M. (2015): Infant mortality rate (IMR) among the Bhunjia tribe of Gariaband district of Chhattisgarh state. *Global Journal of Multidisciplinary Studies*, 4, 2 [JIF: 2.38] ISSN:-2348-0459.

AK Pradhan

1. Premi, J.K., Sarkar, S., Pradhan, A. and Mitra, M. (2010). Perception and attitude regarding illness and health among the Sawara Tribes of Chhattisgarh. *Man in India*, 90(3-4), 601-610.
2. Pradhan, A. and Deshlahara, G. (2013). Reproductive health care practices among the Binjhar Tribal women of Chhattisgarh. *Journal of International Academic Research for Multidisciplinary*, 1(12), 258-266. [JIF: 1.393]
3. Kosariya, S.S. and Pradhan, A. (2014). Chhattisgarh Choukhutiya Bhunjia Janjati: Vivah evam Dampatya. *International Research Journal of Management Sociology & Humanities*, 5(6) [JIF: 0.98] (ISSN 2277 – 9809 online)

JK Premi

1. Premi, J.K., Sarkar, S., Pradhan, A. and Mitra, M. (2010). Perception and Attitude Regarding Illness and Health among the Sawara Tribes of Chhattisgarh. *Man In India*, 90(3-4): 601-610.

Other Publications of Faculty**A Kumar**

1. Thakur, N. & Kumar, A. (2011). Socio-economic dimensions of anaemia with reference to slum dwelling lactating women of Raipur, Chhattisgarh. 1(2): 15-24.
2. Thakur, N. & Arun kumar (Jun, 2012): A Study on Delivery and Newborn Care Practices in Slums of Gond Community, *Anthrocom Online Jour. of Anthropology*, 8(1): 33-38)
3. Thakur, N. & Arun Kumar (2012): Impact of Social Variable on Ante-natal Checkups Pattern among the Ganda Women at Raipur. *Oriental Anthropologist*, 12(1): 175-184.
4. Arun K. & M. Verma (2014): Cultural Changes in selected Variables of Life Cycle Ceremonies among the Halba Tribe of Village and Block Narharpur, Kanker district, Chhattisgarh, *Tribal People of Central India: Problems and Prospects*. Editor: B.M. Mukherjee and Farhad Mollick., New Delhi: K. K. Publications.(99-111).
5. Narayan L. & Arun Kumar (2015): Changing trends in Living Megalithic Practices in the Bastar, in, Basa K.K., R.K.Mohanty and S.B. Ota(Eds): *Proceedings of National Seminar on Megalithic Traditions in India: Archaeology Ethnography* (PP. 771-775) Delhi: Aryan Books International.

M Mitra

1. Shukla, M.K., Venugopal, R., Chakrabarty, S., Bharati, P. and Mitra, M. 2010. A Comparative study of physical growth and nutritional status between Non-residential and Residential Adolescent school boys of Chhattisgarh, India. *The Asian Man* (An International Journal). 4:1: January-June:33-38. (ISSN: 0974-6366).
2. Chakrabarty, S. and Mitra, M. 2010. Forest Conservation and Tribal Health Status: An emerging problem in India. *Rural and Remote Health*. (Letter to Editor). International Online Journal. April 12, 2010.p. 1-2. www.rrh.org.au
3. Mitra, M. 2010. Impact of Industrialisation on Ecology and Human Health: A Case Study of Balco in Korba. In: *Industrialisation, Ecofriendly Industries and Climate Change*. Ed. R.N. Pati. Sarup Book Publishers Pvt. Ltd. New Delhi. Pp.25-33. (ISBN-978-81-7625-627-8).
4. Premi, J.K., Sarkar, S., Pradhan, A. and Mitra, M. 2010. Perception and Attitude regarding illness and health among the Sawara tribes of Chhattisgarh. *Man in India* (An International Journal of Anthropology). 90:3-4:601-611.
5. Dewangan, H., Chakrabarty, S. and Mitra, M. 2011. A Cross Sectional Study of Physical Growth among the Abujhmara Primitive Tribe Children (6 – 18 years) living in Narayanpur Ashram School of Chhattisgarh, India. *Ind. J. Phys. Anthro. & Hum. Genet.* 29:1-2:85-98.
6. Bhalkar, A. and Mitra, M. 2011. Decision-making ability related to Reproductive health issue among Ganda Scheduled Caste Women of Urban Slum Area of Raipur District, Chhattisgarh. *Ind. J. Phy. Anthro. & Hum. Genet.* 29: 1-2: 173-179.
7. Dewangan, H., Chakrabarty, S. and Mitra, M. 2010. A Cross Sectional Study of Physical Growth among the Abujhmara Children (6 – 18 years) living in Ashram School of Chhattisgarh, India. *The Asian Man: An International Journal*. 4:2:154-160. (ISSN: 0974-6366).
8. Patel, S. K., Sinha, M., and Mitra, M. 2012. Epidemiological and Socio-demographic Profile of Oral Cancer Patients of Chhattisgarh: A Retrospective Study. *Research J. Science andTech.* 2012; 4(4): 145-147 (July-August) (ISSN 0975-4393).
9. Patel, S. K., Sinha, M. and Mitra, M. 2012. Glutathione-S-transferase M1 and T1 gene Polymorphism as Risk Factors of Oral Squamous Cell Carcinoma: A Preliminary Investigation. *Research J. Pharm. and Tech.* 5(7):918-920 (July) (ISSN 0974-3618).
10. Patel, S. K. and Mitra, M. 2012. Inter-Gene and Gene - Environment Interactions Associated with CYP1A1 and GSTM1 Gene Polymorphisms and Risk of Oral Cancer in Chhattisgarh Population, India. *The Asian Man: An International Journal*. 6:2:135-

- 141.
11. Basu, M., Maji, A.K., Mitra, M. and Sengupta, S., 2013. Natural selection and population genetic structure of domain-I of Plasmodium *falciparum* apical membrane antigen-1 in India. *Infection, Genetics and Evolution: Journal of Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases (MEEGID)* Impact factor 3.128, ISSN: 1567-1348.
 12. Gupta, A., Gupta, O., Mitra, M. and Venugopal, R.2013. Nutritional Status of University level women players of Chhattisgarh. *Asian Man: An International Journal*. 7:1&2:95-103.
 13. Premi, Jitendra Kumar and Mitra, M. 2013. Need Based Interventions for Improvement of Reproductive Health and Male Involvement of the Baiga tribe of Chhattisgarh (India). *International Journal of Advances in Social Sciences*, 01 (02): 51-57.
 14. Shukla, M., Venugopal, R. and Mitra, M. 2013. A cross sectional study of Nutritional Status of boys of Jawahar Navodaya Vidyalaya and Kendriya Vidyalaya in Chhattisgarh, India. *Indian Journal of Physical Education and Sports Sciences*.1:1:45-55 (peer reviewed journal, ISSN: 2320-81).
 15. Gajendra, P. and Mitra, M. 2014. Association Thromocyclopenum with severity of Plasmodium *falciparum* Malaria: A Study in Chhattisgarh. 2014. Research Journal of Pharmacy and Technology. 7:9. (September 2014. 9ISSN 0974-3618).
 16. Temunkar, P.K., Tiwary, B.N. and Mitra, M. 2014. A Study of Genomic Diversity of three tribal populations of Chhattisgarh, India. The Asian Man: An International Journal. 8:1:1-7 (Jan.-June, 2014).
 17. Premi, Jitendra Kumar and Mitra, M. 2014. Structure of family among the Baiga Tribe of Chhattisgarh, India. Int. J. Ad. Social Sciences. 2:3:156-159 (July-September, 2014) ISSN 2347-5153.

M Chakravarty

1. Shukla, R and Chakravarty, M (2010). Study of traditional Medicinal Practices among the Raj Gonds of Korba district of Chhattisgarh. *Studies on Ethnomedicine*, 3:4:211-216.
2. Baghel, S., Chakravarty, M (2010). Socio-economic and demographic profile of primitive tribal group Hill Korwa of Jashpur. *Research Zone*.2:49-54 *Journal of sciences and Humanities*.ISSN-0975-8879.
3. Sen, N and Chakravarty, M (2011). Health Status of Teli Women. *Lab to Land*, 3:9:1-9.
4. Ogre, S and Chakravarty, M (2011). Problems of Leprosy patients in Rehabilitation colonies of Raipur (C.G): Bio cultural Perspectives *Research Zone*.3:3:92-103.ISSN-0975-8879.
5. Baghel, S and Chakravarty, M (2011). Jashpur jile ki aadivasion mein gotra chinha saran puja tatha jaiv evam paryavaran sangrakshan. *Research Zone* 3:3:143-148.ISSN-0975-8879.
6. Urade, B.P and Chakravarty, M. (2012). Reproductive performance of the Khaire Kunbi women of Maharashtra, India. *International Review of Business and Social Sciences*.www.irbs.org.ISSN-2226-4124.
7. Baghel, S and Chakravarty, M. (2012). Jashpur jile ki pahadi korwa janjati kein matri-Shishu raksha adhyayan.*Research Zone*.4:4:57-60. ISSN-0975-8879.rzone.ssbam.co.in
8. Shukla, R and Chakravarty, M., and Goutam, M.P (2013). Ethno Medicinal practices among the Binjhwar tribe of Chhattisgarh. India. *Global. J.Res. Med. Plants & Indigenous Med*.2:71 525-531.ISSN-2277-4289. www.gjrmi.com.
9. Baghel, S. and Chakravarty, M. (2014). Determinants of infant mortality among the primitive tribal group Hill Korwas of Jashpur district, Chhattisgarh state. *Panchatatva*. ISSN-2278-022X Vol-3 No-3 pp 32-43.
10. Sharma, S., Chakravarty, M. and Ogre, S. (2015). Knowledge and attitude towards HIV/aids among the Patients of Raipur District of Chhattisgarh. *International Journal of applied Research*.1:8:744-747.ISSN-23947500 In Edited Books
11. Shukla, R., Chakravarty, M. and Goutam, M.P. (2010). Documentation of Folk Knowledge on Medicinal Plants among forest dwelling communities of Chhattisgarh. Ed. S.C. Agarwal and R.N. Pati. Sarup Book Publishers. New Delhi.
12. Shukla, R., Chakravarty, M. and Goutam, M.P. (2010). Ethnomedicinal practices among the Binjhwar tribe Chhattisgarh:A case Study. In *Folk medicine, folk healers and medicinal plants of Chhattisgarh*. Ed. S.C. Agarwal and R.N. Pati. Sarup book Publishers. New Delhi.

13. Kashyap, M., Chakravarty, M. and Premi, J. (2012). An Epidemiological investigation of Diarrhoea outbreak in a slum area of Raipur. In Anthropology in contemporary Societies .Ed. Sharma, A.N and Rawat, S.K. Sarup Book Publishers. New Delhi.
14. Chakravarty, M., Pradhan, A. and Deshlahara, G. (2014). Women Health Status and Utilization of maternal health care services among the Kamar of Chhattisgarh state In Tribal people of Central India: Problems and Prospects. Ed. B.M. Mukherjee and Farhad Mollick. K.K. Publications. New Delhi ISBN-978-81-7844-146-7.

Book

1. Bhaskar P. Urade, Moyna Chakravarty (2012). Growth and Nutrition Among Khaire Kunbi Children in Maharashtra. Publisher Lab Lambert Academic Publishing GmbH KG, 2012.

AK Pradhan

1. Sharma Rashmi evam Pradhan Ashok 2010 : Mahasamund Jile ke Kamaro ki Arthik Sthiti evam Vikas Pradhikaran ke Kamaro ke sath Tulanatmak Manavshastriya Adhyayan, Research Journal of Humanities and Social Sciences, Vol. 1, No. 1, 9-12.
2. Sirmor Ritu, Pradhan Ashok evam Kurrey Sameer Kumar 2010 : Samajik Sanrachana me Parivartan ka Shahar ki Mahilao par Prabhav (Durg Shahar ke Vishesh Sandarbh me), Research Journal of Humanities and Social Sciences, Vol. 1, No. 2, 71-74.
3. Sharma Rashmi, Pradhan Ashok evam Nigam L S 2010: Adinjati Kamar ki Shekhyani Sthiti par Arthik Sthiti ka Prabhav, The CTE Research Journal, Vol. 8, No. 2, 115-119.
4. Kurrey Sameer Kumar evam Pradhan Ashok 2010: Kamar Janjati ke Vikash ko Prabhavit Karne Wale Samajik evam Arthik Ghatak, Lab to Land, Vol. 2, No. 5, 121-125.
5. Sirmor Ritu evam Pradhan Ashok 2010: Shalapurwa Janjatiya Balak-Balikao ka Poshan evam Swasthya Sthiti, Lab to Land, Vol. 2, No.6, 231-237.
6. Kurrey Sameer Kumar, Pradhan Ashok evam Sahu Lalita 2010 : Binjhawar Janjati me Urwarata ki Sthiti (Chhattisgarh ke Mahasamund Jila ke Vishesh Sandarbh me), Lab to Land, Vol. 2, No. 6, 238-243.
7. Pradhan Ashok, Ritu Sirmour and Kurrey Sameer 2010 : Binjhawar Janjati ke Mahilao me Swasthya Jagrukta evam gyan, Lab to Land, Vol. 2, No. 8, 574-578.
8. Sharma Rashmi evam Pradhan Ashok 2010 : Kawar Janjati me Striyo ki Sthiti evam Bhumika, Journal of Gender Equality & Sensitivity, Vol. 4, No. 2, 78-90.
9. Pradhan Ashok 2010: Chhattisgarh ki Birhor Vishesh Pichhadi Janjati me Paramparagat Jati-Panchayat, Journal of Pt. Ravishankar Shukla University, Vol. 8-15, No. A, 73-76.
10. Premi J K, Sarkar S, Pradhan Ashok and Mitra M 2010 : Perception and Attitude Regarding Illness and Health among the Sawara Tribes of Chhattisgarh, Man in India, Vol. 90,Nos. 3-4, 601-611.
11. Kavi Rupendra, Pradhan Ashok evam Singh Rajendra 2011: Bastar ke Janjatiyo me Swasthya Vyavhar : Ek Manavvegyanik Adhyayan, Research Journal of Humanities and Social Sciences, Vol. 2, No. 2, 68-72.
12. Pradhan Ashok and Deshlahara Gulshan 2011 : Analyzing the Census Data 2001 and 2011 of Chhattisgarh to Know Some Facts. Research Journal of Humanities and Social Sciences, Vol. 2, No. 4, 168- 171.
13. Abraham K., Pradhan Ashok and M.M. Ganvir 2013: Influence of Custom and Cultural Practices on Religio-Symboic Treatment (RST) among Muria Tribal Peoples of Bastar. International Journal of Advances in Social Sciences (ISSN 2347- 5153), Vol. 01, No. 01, 1-4.
14. Sirmour Ritu and Pradhan Ashok 2013: Mahila Apradh: Ek Samajik Arthik Vishleshan (Chhattisgarh ke Jelo me Sajayafat Mahilao ke Vishesh Sandarbh me). *Panchtatva* (ISSN 2278-022X) Vol 2, No.2 87-94
15. Pradhan Ashok and Deshlahara Gulshan 2013: Health Awareness of Non-Communicable Diseases Among the Students of Eklavya Model Residential School, Taregaon. *Edu. Junction* (ISSN: 2278-3938) Vol 4, No.3, 11-14.
16. Pradhan Ashok and Deshlahara Gulshan 2013: Political Participation and Women Empowerment (With Special Reference to Women Reservation). *Shodh Sampreshan* (ISSN: 097-6459), Vol. 6, No.4, 6-8.
17. Chakravarty Moyana, Pradhan Ashok and Deshlahara Gulshan 2014: Women Health Status and Utilization of Health Care Services Among the Kamars of Chhattisgarh State. Tribal People of Central India: Problems and Problems. Editor: B.M.Mukherjee

- and Farhad Mollick., K. K. Publications, New Delhi (ISBN No. 978-81-7844-146-7) 341-350.
18. Sirmour Ritu and Pradhan Ashok 2014: Apradhi Mahilao ki Samasyayein – Ek Samajik manovegyanik Adhyayan (Chhattisgarh ke Kendriya Jelo me Sajayafta Manhilao ke vishesh sandarbh me). Edu. Junction (ISSN: 2278-3938) Vol 6, No.1, 32-37.
 19. Pradhan Ashok & Deshlahara Gulshan. (2014): Nutritional Status among the Halba Tribe of North Bastar (Kanker) District of Chhattisgarh. Journal of Ravishankar University-B 27, 69-77.
 20. Deshlahara Gulshan & Pradhan Ashok. 2015: Impact of Wadi Project on Addiction Behaviour among the people of Nawagaon in Raigarh District. *The Asian Man; An International Journal*, 9 (1) ;52-58
 21. Kosariya Satyajeet & Pradhan Ashok. 2015: Population Composition of Bhunjia Tribe of Chhattisgarh. *The Asian Man; An International Journal*, 9 (1); 110-120.

JK Premi

1. Premi, J.K., Sarkar.S., Pradhan , A.K. and Mitra, M. 2010. “Perception and Attitude Regarding Illness and Health among the Sawara Tribes of Chhattisgarh”. *Man In India*, Vol.90, Nos.3-4, July-December pp 601-610.
2. Deshlahara , G. and Prami , J.K. 2010 “Addictive Behaviour among the Old Aged Persons of Village Sammanpur, Chhattisgarh.” *Journal of Pt. Ravishankar Shukla University*, Vol. 8-15; pp 49-53.
3. Premi, J.K. and Verma, S.K. 2010. Manavshastriya Avalokan Kab Tak Rah Payenge Prakriti Putra. *Lab to Land*, an international quarterly Journal. Vol.-2, No.-7.
4. Verma, S.K and Premi, J.K. 2010. Chhattisgarh ki Vishesh Pichhadi Adim Janjati Kamar: Kyu Hai Vikas Adhura? *Lab to Land*, an international quarterly journal.Vol.-2, No.-8.
5. Premi, J.K. and Mitra, M. 2012. Dwelling and Drinking Water among the Baiga Tribe of Chhattisgarh. *Research Journal of Humanities and Social Science*, 3(4): 436-440.
6. Premi, M.K. and Premi, J.K. 2012. Mahatma Gandhi ji ka Gram Swaraj: Bhartiya Gramin avam Satat Vikas ke Sandarbh me. *Research Journal of Humanities and Social Science*, 3(4): 501-504.
7. Kashyab, M. Chakravarty,M. and Prami, J.K. 2012. An Epidemiological Investigation of Diarrhoea outbreak in a Slum Area of Raipur.” In *Anthropology In contemporary Societies*, ed. A.N. Sharma and S.K. Rawat, 98-104. Sarup Book Publications Pvt. Ltd.: New Delhi. In Proceeding.
8. Premi, J.K. and Premi, M.K. 2013. Bharat me Antarik Hinsa ke Samajik- Rajnaitik Karan: Ek Manavshastriya Vimarsh. *Research Journal of Humanities and Social Sciences*, 4(3) 293-308.
9. Premi, J.K., Soni, P.K. , Nagvanshi, B.K. and Khuntay, D. 2013. Vishesh Pichhadi (Adim) Janjati Kamar : Ek Nrijatiyavritantamak Pridrashya. *Research J. Humanities and Social Sciences*, 4(2): 179-184.
10. Premi, J.K. and Mitra, M. 2013. Need Based Interventions for Improvement of Reproductive Health and Male Involvement of the Baiga tribe of Chhattisgarh (India). *International Journal of Advances in Social Sciences*, 01 (02): 51-57.
11. Premi , J.K. , Nagvanshi, B.K. and Premi, M.K. 2013. Ekkiswi Sadi ke Bharat me Mahilao ke Shath Atyachar : Ek Samayik Vivechan. An International Research Journal LAB to LAND, 05 (17): 177-184.
12. Premi , M.K. and Premi , J.K. 2013. Dharmo me Nari ki Esthiti – Ek Darshnik avam Manavshastriya vimarsh. *International Journal of Advances in Social Sciences*, 01 (02): 39-44.
13. Premi , M.K. and Premi, J.K. 2013. Swami Vivekanad ka Vichar: Vishw santi ke Vishesh Sandarbh me. *International Resurch J. Lab to Land Vol.-5, No.-19*.
14. Premi, J.K. 2013. Adiwashi Asatitva, Vikas avam Naxalwad: Samasya avam Samadan. In *Madhyabharat Kee Adivasi Samasya evam Sambhawnayen*, ed. B.M. Mukarjee and F. Mollick, 120-142. K.K. Publications: New Delhi. In Proceeding.
15. Premi , J.K. 2014. Structure of Family among the Baiga Tribe of Chhattisgarh, India. *International J. Advances in Social Sciences* 2(3): 156-159.
16. Verma, U. and Premi , J.K. 2014: Chhattisgarh ke Ghumantu Bachcho ki Samajik-Shaikshnik Esthiti : Chhattisgarh ke Vibhinn Railway Stationo ke Ghumantu Bachcho ke Vishesh Sandarbh me Ek Manavshastriya Anveshan. *International J. Reviews and*

- Research in Social Sciences 2(1).
17. Premi, J.K. 2014. The Issues and Measures of Gender violence with Reference to Reproductive health. *International J. Advances in Social Sciences* 2(4):191-197.
 18. Premi, J.K. 2014. Birhor: The Inconsequential Extraordinary Primitive Tribal Group (PTG) of India. *Research J. Humanities and Social Sciences* 2014; 5(4) 366-369.
 19. Jaiswal, R. and Premi, J.K. 2014. Concept Pertaining to Health and Illness Among the Kanwar Tribe of Chhattisgarh (India). *Man In India*, 94(4-III): 1063-1074.
 20. Verma, S.K and Premi, J.K. 2014. Lok-kathaon ka Sanskritik Mulya: Kula Vinimay Pratha ko Doharati Shishupal Parvat. *Shodh-Prakalp*, Volume LXIX (4),:148-152.
 21. Premi, J.K. 2015. Menarcheal Age and Nutritional Status of Reproductive Mother of Gidhpuri Village of Chhattisgarh. *Int. J. Rev. & Res. Social Sci.* 3(2) Page 75-78.
 22. Premi, J.K. 2015. Reproductive and Child Health among the Tribes of Gidhpuri Village, Chhattisgarh. *Int. J. Ad. Social Sciences* 3(2): Page 71-75.
 23. Premi, J.K. 2015. Chhattisgarh ke Raigarh Jile ke Dharamjaygarh Kshetra ke Gramo me Hathiyon ke Akraman ka Dharmik Vishwas avam Kriyao ka Prabhav. *Research J. Humanities and Social Sciences* 2015; 6(2): 101-105
23. Details of patents and income generated
Nil
24. Areas of consultancy and income generated
Nil
25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad
M Mitra
- i. Anthropological Survey of India (Kolkata) Lab
 - ii. Bio-Chemistry (University of Calcutta) Lab
 - iii. Indian Statistical Laboratory(Kolkata) Lab
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify)
- M Mitra
- National Committees**
- Government nominated Member of Rashtriya Manav Sangrahalaya Samiti, Government of India (Government Resolution No.F.29-03/2015-A&A dated 13.5.2015).
 - Government nominated Member of Executive Council of Rashtriya Manav Sangrahalaya Samiti, Government of India (Government Resolution No.F.29- 03/2015-A&A dated 13.5.2015).
 - Member of the National Sub-Committee on “Bio-Medical Anthropology”, Anthropological Survey of India, Ministry of Culture Government of India (No.2-1/PMI/2008 DT 12.2.2010).
 - Member of Expert Committee for Evaluation of Proposals for Minor Research Projects and organisation of Seminar/conference/workshop during 2014-15 at UGC, Central Regional Office, Bhopal on 11.11.2014.
- State Committees**
- Member of State Level Advisory Board of Integrated Tribal Development Project, Gariaband (Order No./62/Adi.Vi./Yojna/97 Raipur, dt.26.4.97).
 - Member of Task Force on Agriculture, Environment, Forest, Biodiversity and Allied Sectors of Chhattisgarh State Planning Commission (No.429/RaYoAa/SanS/TaFo-Kri/2015, New Raipur dated 19.6.2015)
 - Member of Ethical Committee of State health Resource centre(SHRC)
 - Lead Expert for Rapid Assessment of “Fulwari” nutritional Initiative in Surguja District, Chhattisgarh.)

Editorial Board

- The Asian Man: An International Journal
- The Anthropologist
- Human Biology

Member of Professional Bodies

- Life Member, Indian Society for Prehistoric Research & Quaternary Studies (ISPQS)
- Life Member of Indian National Confederation and Academy of Anthropologists

PRSU Committees

- EC member
- Chairperson, Ethical Committee
- Member, Central Purchase Committee
- IQAC Member

A Kumar**International Committees**

- Vice-President, Society of South Asian Archaeology.

National Committees

- Government nominated Member of Rashtriya Manav Sangrahalaya Samiti, Government of India (Government Resolution No.F.29-03/2015-A&A dated 13.5.2015).
- Expert Committee member for evaluation of UGC Major Projects, New-Delhi.
- Observer, ICSSR Workshop on Capacity Building (DB Girls College, Raipur)

Editorial Board

- RSU Journal

Member of Professional Bodies

- Life member, Society of South Asian Archaeology
- Life Member, Indian Society for Prehistoric Research & Quaternary Studies (ISPQS)
- Life Member of Indian National Confederation and Academy of Anthropologists

PRSU Committees

- Chairperson, BOS (Anthropology)

M Chakravarty**National Committees**

- Government nominated Member of Rashtriya Manav Sangrahalaya Samiti, Government of India (Government Resolution No.F.29-03/2015-A&A dated 13.5.2015).

Editorial Board

- RSU Journal

PRSU Committees

- Member Advisory Council, Centre for Women Study
- Member of Standing Committee

AK Pradhan**Editorial Board**

- RSU Journal [Part-A]
- Lab To Land
- Editor, Social magazine "KULASHREE"

Member of Professional Bodies

- Life Member, Society of South Asian Archaeology

PRSU Committees

- Warden, Gandhi Boys Hostel
- In charge, Campus Beautification Committee
- Member, Promotion Committee (Class- III & IV)
- Member of Seniority Committee (Class III & IV)
- Member of Reservation Roster Committee (Teacher & Non-Teacher)
- In charge, Tribal Studies & Research Centre Building
- Member, University Prospectus Preparing Committee

- Deputy Coordinator, UGC Coaching Scheme for ST/SC/OBC/Minority/ Women
- Member, University Anti Ragging Committee

JK Premi**Editorial Board**

- Red-Flower Publ.
- BIO-INFO Publ., Mumbai(Reviewer)

Member of Professional Bodies**PRSU Committees**

- Member, Career Counselling Cell
- Program Officer, NSS(2007-2014)
- Warden, Boys, Azad Hostel,(2010-12)

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
A Kumar	State level workshop on Social Innovation and & Civil Society, Babylon, Raipur	2013
	Workshop, organized by Priya NGO, Hotel Aditya, Raipur	2014
	H-10 workshop, IQAC, PRSU	23.08.14
	Observer & chair-person of Academic Session of Capacity building workshop (ICSSR), DB Girls College, Raipur	5-17 January 2015
	Attended NAAC Accesser Workshop, Bangalore	12-13 January 2015
	Workshop on Implementation of PCPNDT Act, organized by Surjan Foundation, Arjun hotel, Raipur	9.4.15
A Pradhan	Data and Analysis: Use of SPSS, Organised by PRSU, Raipur Sponsored by U.G.C.	28-2 November 2010
	Disaster Management, Organised by ASC, PRSU, Raipur. Sponsored by U.G.C.	8-13 August 2011
	Saksham IT Champion, Organised by ASC, PRSU Raipur Sponsored by Microsoft	12-22 December 2011
	Hands-on-Training in Techniques of Molecular Biology, Organised by PRSU Raipur Sponsored by U.G.C.	22-27 February 2012

28. Student projects

M.A.: 100% in house
M.Phil.: 100% in house

29. Awards / recognitions received at the national and international level by

Faculty**Awards****M Mitra**

- Daredevil Award: 27.04.13
- KITT UNIV.& KISS AWARD: 28.11.12

Other recognition**International Level****A Kumar**

- Chairperson, Academic Session, SOSAA Conference, Shiraj, Iran.
- Chairperson, Academic Session, SOSAA Conference, Raipur
- Chairperson, Academic Session, Archaeology and language, Deccan college, Pune

National level**M Mitra**

- Chairperson, Academic Session, INCAA Conference, Bhubaneswar

A Kumar

- Chairperson, Academic Session, ISPQS Conference, Dir. of Cult. & Arch., Govt. of Chhattisgarh, Raipur
- Chairperson, Academic Session I (a): Prehistory & Bio-Cultural Change, P.U., Chandigarh.
- Co-Chairperson, Session-11 (Invited Lectures) Golden Jubilee Conference, women Cell, PRSU, Raipur
- Session In charge, Anthropology in Contemporary India: Prospects and Challenges, SoS in Anthropology, PRSU, Raipur
- Chairperson, Academic Session, Dept. of Anthropology. MGAHV, Central Univ., Warda

Post Doctoral Fellows: Nil**Doctoral Students**

Fellowship	UGC – JRF	RGNF
2010	Sampada Bais	Priyanka Lakra
2011		Gulshan Deshlahara
2012	S Tamarkar	SS Kosariya
	SC Ogra	
2013	R Jaiswal	
2014	AK Kar	AK Banjare
		BK Nagwanshi
M.Phil. Students		
2011		SS Kosariya
2012		A Kumar
		Indu Ratre

Students			
Year	Univ. Gold Medal (Anth.)	Univ. Gold Medal (For. Sci.)	Donor's Medal
2010-11	Ram C Sahu		
2011-12	Rashmi Jaiswal	Kalapana Agarwal	
2012-13	Swati Verma	Manju Sahu	
2013-14	Suraj Tyagi		Suraj Tyagi
2014-15	Raj Kumar		Raj kumar

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants/ Resource Persons
Workshop	Hands on Training in Techniques of Molecular Genetics, 22-27Feb, 2012	ChiPS PRSU	AK Pati, NS Roy, S Sengupta, PK Patra, SC Naithani, G Chandel, N Mukherjee
Seminar	National Seminar on Anthropology in Contemporary India: Prospects and Challenges, 19-21, Jan, 2014	i) R.S.U. ii) IAS. Kolkata, iii) C-COST, iv) AnSI, Kolkata, v) NRDA, Raipur vi) Tourism Dept (C.G.)	A Danda, V Joshi, P Bharti, V Mukhopadhyay, K Das, RK Das, SB Chakravarty, KL Verma, K Oraon, RK Mutatkar, N Vaid
International Seminar	Status of Scientific Archaeology in South Asia, 14-18 Feb, 2014	i) RSU ii) Dir. of Cult. & Arch (CG Govt)	i) Sri Lanka Anuruddhika Dilhani, KM Chandimal, NS Gunawardana, JM Sudharmawathie

			ii. Japan Ayumo Konasukawa, Takumi Sugiyama, Yasuji Shimizu iii. Korea Lee Young Moon, Shin Dong Hoon, Jang-Sik Park, Kim Yong Jun, Kang Jin Pyo, Kim Lung Baek, Lee Dong Kon iv. Iran Mehdi Mortazavi, Ozra Rounaghy v. Nepal Prakash Darnal vi. France Serge Le Guirrec vii. USA Megan Merry McCormick
--	--	--	--

31. Code of ethics for research followed by the departments

Following committees monitor the research activities of the dept.

- i) Departmental Research Committee (DRC).
- ii) Research Degree Committee(RDC)
- iii) Institutional Ethics Committee for Human Research
- iv) University Plagiarism Cell

32. Student profile program-wise

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A./M.Sc.					
2010-2011	25	13	12	41.66	58.33
2011-2012	18	4	5	34.78	65.21
2012-2013	17	7	10	36.84	63.15
2013-2014	21	9	7	50.00	50.00
2014-2015	26	14	11	51.42	48.57
2015-2016	35	8	16	-	-

33. Diversity of Students

Name of the Program [Refer to Question # 4]	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-2011	76.00	24.00	Nil	Nil
2011-2012	77.78	22.22	Nil	Nil
2012-2013	94.11	05.89	Nil	Nil
2013-2014	87.50	12.50	Nil	Nil
2014-2015	88.00	12.00	Nil	Nil
2015-2016	95.84	04.16	Nil	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

UGC_NET	ST	SC	OBC	UR	TOTAL
2010-11	01	02	02	01	06
2011-12	00	04	01	01	06
2012-13	01	01	02	02	06
2013-14	1	01	00	00	02
2014-15	00	01	01	01	03

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
i. 5yr. Integrated course (Foren. Sci): 2011-12	12.50
ii. 5yr. Integrated course (Foren. Sci): 2012-13	100.00
ii. 5yr. Integrated course (Anth): 2012-13	100.00
PG to M.Phil.	
i. 2010-11	100.00
ii. 2011-12	67.00
iii. 2012-13	100.00
PG to Ph.D.	
i. 2010-11	Nil
ii. 2011-12	87.50
iii. 2012-13	100.00
iv. 2013-14	100.00
v. 2014-15	75.00
Ph.D. to Post-Doctoral	NA
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	21
Entrepreneurs	02

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	60.00%
from other universities within the State	20.00%
from universities from other States	20.00%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100%
b) Total number of class rooms	03
c) Class rooms with ICT facility	01
d) Students' laboratories	04
e) Research laboratories	01

39. List of doctoral, post-doctoral students and Research Associates (2010-14)

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Som Prakash Kanwar	M Chakravarty	2011	Anthropology
2.	Mukesk Rathiya	A Kumar	2011	Anthropology
3.	Shyama Charan Ogre	M Chakravarty	2011	Anthropology
4.	Gulshan Deshlahara	A Pradhan	2011	Anthropology
5.	Amod Tirkey	A Pradhan	2011	Anthropology
6.	Tulsi Rani Thakre	M Mitra	2011	Anthropology
7.	Brijesh Nagwanshi	A Kumar	2011	Anthropology
8.	Ugeshwar Mishra	M Chakravarty	2011	Anthropology
9.	Vinay Kumar Nirmalker	A Pradhan	2012	Anthropology
10.	Rashmi Jaiswal	A Kumar	2012	Anthropology
11.	Satyajeet Singh Kosariya	M Chakravarty	2012	Anthropology
12.	Anuradha Chakravarti	M Chakravarty	2013	Anthropology

13.	Rajesh Kumar Dubey	M Mitra	2013	Anthropology
14.	Rashmi Ingle	A Pradhan	2012	Anthropology
15.	Ravirahul Chakravarty	JK Premi	2013	Anthropology
16.	Ajeet Kumar Banjare	JK Premi	2013	Anthropology
17.	Umrao Singh Verma	JK Premi	2013	Anthropology

b) from other institutions/universities

S. No.	Name of Student	Guide	Year of registration / Admission	Subject
1	Mounita Sinha	M. Mitra	2011	Anthropology

40. Number of post graduate students getting financial assistance from the university.
Nil; however, ST, SC and OBC students get financial assistance from the State Government.
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
No new course was started during this period.
42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? No
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? i) Taken every year ii) Analysis of student feedback was done in 2011-12 & 2012-13 and 2015-16 sessions. iii) Results of analysis are discussed in SCM to find out remedial measures
c) Alumni and employers on the programs offered and how does the department utilize the feedback? No. However informal feedback is obtained through i) Parent-faculty Meeting ii) Alumni Meeting

43. List the distinguished alumni of the department (maximum 10)

International

S. No.	Alumni	Course	Batch	Current Position
1.	P Ram	MA/ MSc	1993	Pursuing doctoral degree, Oxford Univ. UK
2.	Deepak	MA/ MSc	2000	USA based NGO

National

S. No.	Alumni	Course	Batch	Current Position
1.	I C Agarwal	MA/ MSc	1965	Deputy Registrar General
2.	M Guha	MA/ MSc	1966	Former H.O.D.
3.	D K Verma	MA/ MSc	1981	Assoc. Prof. Chhattisgarh college
4.	T K Vaishnav	MA/ MSc	1982	Deputy Secretary, Raj Bhawan
5.	R K Choudhari	MA/ MSc	1982	Retd. Prof. & HoD Sambalpur University
6.	F Mollick	MA/ MSc	1990	HOD Anthropology MGAHV, Warda

Administrative Positions

S. No.	Alumni	Course	Batch	Current Position
1.	H Bajpai	MA/ MSc	1988	Joint Director, Raj Bhawan
2.	B Netam	MA/ MSc	2003	Assis. Commissioner, Sales Tax
3.	N Pandey	MA/ MSc	2005	S.D.M. CG Government
4.	M Nag	MA/ MSc	2005	D.S.P State Police Dept.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Special Lectures

a) International

S. No.	Name	Title	Place
1.	Numeyer	Rock art of India: Status & Challenges (2015)	Austria
2.	S Guirrec	European Influence on Megalithic Traditions and Tribal Art of Central India (2013)	France
3.	B Hamphill	Dental Variations of South Asian Population (2015)	Alaska, USA
4.	HN Mukherjee	Perception of Wellbeing and Religiosity among Elderly Americans (2012)	Tennessee Technological University ,USA

b) National

S. No.	Name	Title	Year
1.	GL Badam	Rock Art of C.G.	19.01.2012
2.	SB Ota	Prehistoric Investigation of Acheulian Tikoda site,Rajastha, Bhopal	25.01.2012
3.	AK Giri	Anthropology and Beyond in Context of Tribal Development	26.09.2012
4.	V. Sahay	Post Modernism	06.04.2013
5.	RN Mishra	Bastar in 1960	30.08.2013
6.	P Dandwate D.C. PGRI, Pune	Outlines of Archaeology	17.10.2013
7	N Mahawar	Folk Theatre: Pandwani	19.10.2013
8.	A Sarkar D.C. PGRI, Pune	Ethnoarchaeological studies in Context of Pottery Making	17.10.2013
9.	KP Rao (Central Univ.)	Megaliths of India with special reference to South India	12.12.2013
10.	R Korishettar Dharwar Univ.	Neolithic Culture of India with reference to Sangankallu Site, Karnataka	12.12.2013
11.	PP Majumder NIBG, Kalyani	In search of the drivers: Excavating Cancer Genomes	27.12.2013
12	N Vaid	Scope of Anthropology	20.01.2014
13	R Parihar	Modern Life ways and Health	22.03.2014
14	SK Patel	Field-work on Tribes of Andaman	01.08.2014
15	VK Shrivastava (D.U.)	Disaster Management	30.08.2014
16.	A Shishodia	Sustainable Development	14.02.2015
17	P Rao	Court Procedures	April 2015

45. List the teaching methods adopted by the faculty for different programs.

- One-way Teaching
- Two-way Teaching
- Field Work
- Lab Work
- PPT/ OCP
- Visit to Heritage sites and Museums
- Exposure and training at Archaeological excavation sites

46. How does the department ensure that program objectives are constantly met and learning

outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly Meeting
• DRC	Progress of Research Activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal Assessment	Continued evaluation through class tests, presentations, Group Discussions and Unit tests

47. Highlight the participation of students and faculty in extension activities.
- Faculty and students participate in SWACHH BHARAT ABHIYAN
 - Students and faculty members actively participate in NSS Activities
 - Six Students participated in adventure tour of Manali (HP), organized by SoS in Physical Education
 - Two students and one faculty member are nominated every year to participate in National Workshop organized by IGRMS, Bhopal
 - Faculty, research scholars and students are involved in the various activities of INSPIRE twice a year
48. Give details of “beyond syllabus scholarly activities” of the department.
- Special Lectures of experts/ Quiz Contest/ Debate are regularly organized by Anthropological Association
 - Staff Members are resource persons for evaluating Ph.D. Thesis/ Subject Expert/ Selection Committees/ State Civil Services/ Editorial Board
 - Faculty members also act as reviewer for Research Journals
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- DNA mapping of selected tribal groups of CG
 - Linking DNA with diseases like Malaria, Oral Cancer, Cervical Cancer, Sickle Cell etc.
 - Indigenous knowledge of various tribal groups with special reference to ethno-Medicine.
 - Evaluation of various ongoing govt. schemes in tribal areas.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Recipient of UGC-SAP and DST-FIST grants
- Fairly good outcome in UGC-NET examination
- Annual participatory field work training in Tribal Areas

Weaknesses

- Limited interdisciplinary research
- Limited linkage with the governmental, non-governmental agencies and industries

Opportunities

- Documentation of indigenous knowledge of most primitive vulnerable tribal groups (PVTGs) of Chhattisgarh
- Tribal population, constituting one-third of the state population, offers ample opportunities for linking past and present.
- Anthro-Genomic research of tribes provides vast opportunities for our better understanding of origin and peopling of our ancestors.

Challenges

- Expansion of multidisciplinary research with allied subjects viz. Physical Education,

Psychology and Pharmacy

- Carrying out field work on PTG in disturbed remote areas of Chhattisgarh
- To introduce Anthropology in number of colleges, especially in Tribal areas

52. **Future plans of the department.**

- To digitalise and expand the museum in accordance with the diversification of CG tribes
- To start job oriented courses, such as PG Diploma in Museology, Tribal Development & Disaster Anthropology
- To expand the extension activities in addition to consultancy services on nutritional & Genetic disorders

Evaluative Report of the Department

1. Name of the Department: School of Studies in Biotechnology
2. Year of establishment: 2004
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Life Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Biotechnology	2004
2.	M.Phil.	Research	Biotechnology	2004
3.	Ph.D.	Research	Biotechnology	2008

5. Interdisciplinary programs and departments involved

Program: Ph.D. –Biotechnology

Department involved: Biotechnology, Life Science, Chemistry

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil.
- Semester - M.Sc. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	2	1	1
Assistant Professor	3	3	3
Contract Teachers	-	-	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
SK Jadhav	Ph.D.	Professor & Head	Microbial Biotechnology, Environmental Biotechnology, Bioprocess Engineering	29	5 (6)*	14
KK Sahu	Ph.D.	Associate Professor	Seed Technology, Abiotic Stress Biology	15	1 (6)	4
A Quraishi	Ph.D.	Assistant Professor	Plant Biotechnology	7	(1)	15
KK Shukla	Ph.D.	Assistant	Fungal	7	0	12

		Professor	Biotechnology			
NK Chandrawanshi	Ph.D.	Assistant Professor	Plant and Mushroom Biotechnology	3	0	0
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc.	M.Phil.	Ph.D. (Course work)
2010-2011	25	0	0
2011-2012	20	0	0
2012-2013	15	0	0
2013-2014	15	0	0
2014-2015	12	0	0
2015-2016	12	0	0

14. Program-wise Student Teacher Ratio

Session	M.Sc.	M.Phil.
2010-2011	4:1	5:1
2011-2012	4:1	5:1
2012-2013	4:1	5:1
2013-2014	4:1	5:1
2014-2015	4:1	1.5:1
2015-2016	4:1	*
Median	4:1	5:1

*None qualified in entrance examination

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	3	2	2
Administrative Staff	2	2	2

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency
1.	Bioprocess Engineering	UGC, New Delhi DST, New Delhi CCOST, Raipur (CG)
2.	Plant Biotechnology	UGC, New Delhi DST, New Delhi CCOST, Raipur (CG)

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
KK Shukla	CCOST, Raipur	Biodiversity of endophytic fungi in tropical forest of Chhattisgarh	2012-2014	1.94
SK Jadhav/ A Quraishi	UGC, New Delhi	Screening of microbes for bioethanol production from Mahua (<i>Madhuca indica</i>) flowers	2011-2014	7.41
<i>Ongoing projects</i>				
NK Chandrawanshi	CCOST, Raipur	Morphological, Biochemical and Molecular characterization of poisonous and nonpoisonous	2015-2017	3.60

		mushroom		
KK Sahu	CCOST, Raipur	Telomere and Genotoxic Effects of Arsenic in Germinating <i>Glycine max</i> L. Seeds	2015-2017	5.0
SK Jadhav	CCOST, Raipur	Production of Bioethanol from De-oiled Rice Bran by <i>Saccharomyces cerevisiae</i> MTCC 4780	2014-2017	5.0
A Quraishi	CCOST, Raipur	True-to-type <i>in vitro</i> conservation of SafedMusli (<i>Chlorophytum borivillianum</i> Sant. Et Fernand.): a rare medicinal plant of India	2014-2016	5.0
Head, Biotechnology	DST, New Delhi	DST FIST-Level 1	2013-2018	44.0
KK Sahu	UGC, New Delhi	ROS mediated lipid peroxidation, protein oxidation and DNA fragmentation in <i>Shorea robusta</i> seeds during natural ageing	2012-2015	4.50

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	NCNR*	DST, New Delhi	905.0	2012-17

* Institutional project with the participation of the five departments

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Funding Agency	Program	Period	Amount (INR in Lac)
<i>Current; in the period of assessment: 2010-2015</i>			
DST, New Delhi	FIST Level-I	2013-2018	44.0

20. Research facility/ centre with:

a) State recognition	• -
b) National recognition	• DST-FIST
c) International recognition	• -

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	SCOPUS	NON-SCOPUS	SCOPUS
o Number of papers published in peer reviewed journals (national / international)	29	38	6/ faculty
o Monographs	-		
o Chapters in Books	01		01
o Edited Books	02		02
o Books with ISBN with details of publishers	08		08
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	67		
o Citation Index – range/ average [Google Scholar]	1 – 38		6.77

○ Total citation [SCOPUS/ Google Scholar]	SCOPUS: 129 Google Scholar: 318	
○ SNIP	See table below	
○ SJR	See table below	
○ IPP	See table below	

Journal	Year	SJR	IPP	SNIP
Acta Physiologiae Plantarum	2014	0.542	1.69	0.964
Water Environment Research	2014	0.374	0.7707	0.469
Int. J. Environ. Sci. Technol.	2014	0.595	0.1.846	1.309
Journal of Plant Physiology	2014	1.004	2.788	1.162

○ Impact Factor – range/ average	0.279 – 2.75	1.21
○ h-index [SCOPUS/ Google Scholar]	Faculty	Google Scholar
	SK Jadhav	07
	KK Sahu	05
	A Quraishi	06
	KK Shukla	00
	NK Chandrawanshi	01
	KL Tiwari	07

Publications of Faculty in indexed Journals

[I] Indian Journals; [F] Foreign Journals; [JIF – Journal Impact Factor: 0.000]

SK Jadhav

1. S.K. Jadhav and B. M. Lall (2011) Seasonal Variation of Indoor Aeromycoflora of Bhim Rao Ambedkar Hospital, Raipur. *Ad. Plant Sci.* 24 (01):101-107. [I]
2. Tiwari, K.L., Jadhav, S.K. and Tiwari, S. (2011) Antibacterial studies of cave water. *Deccan Current Science* 4: 237-240. [I]
3. Tiwari K.L., Jadhav S.K. and Ashish Kumar (2011) Morphology and molecular study of different *Penicillium* species. *Middle –East Journal of Scientific Research* 7 (2): 203-210. [F]
4. Jadhav S.K. and Lall B.M. (2011) Biodiversity of some dominant fungi i.e. *Alternaria*, *Curvularia* and *Cladosporium* in Indoor Environments of Bhim Rao Ambedkar Hospital, Raipur. *Research Journal of Chemistry and Environment* 15(2): 1-11 [I]
5. Tiwari K.L., Jadhav S.K., and Kumar Ashish (2011) Random amplified polymorphic DNA (RAPD) molecular marker based genetic relationship study of medicinal plants collected from tribal region of Chhattisgarh, India. *Research journal of Biotechnology* 6(3): 63-66. [I] [JIF: 0.279]
6. Tiwari K.L., Jadhav S.K., and Veenu Joshi (2011) an update reviews on medicinal herb genus *Spilenthesis*. *Journal of Chinese Integrative Medicine*, 09(11): 1170-1178.[F]
7. Tiwari K.L., Jadhav S.K. and Lall B.M. (2011) Biodiversity of Aeromycoflora of Garden, Collectorate Parisar, Raipur. *Int. J. Environmental Sciences* 1(1): 103-116. [F]
8. A. Quraishi, Jadhav S.K. and Sheetal Gupta (2011) *In Vitro* Clonal Propagation of *Cassia tora* (L) (Coffee Pod): A Medicinal Plant. *Biotechnology*10 (06): 546-550.[F]
9. Jadhav S.K. and Lall B.M. (2011) Biodiversity of *Aspergillus* and *Penicillium* from Indoor Environment of Bhim Rao Ambedkar Hospital, Raipur. *Deccan Current Science* 06: 352-363. [I]
10. K.L. Tiwari, S.K. Jadhav, and S. Tiwari (2011) Studies of Bioethanol Production from some carbohydrate sources by Gram Positive Bacteria. *Journal of Sustainable energy and Environment* 2:141-144. [F]
11. K.L. Tiwari, S.K. Jadhav, and S. Gupta (2012) Modified CTAB technique for isolation of DNA from some medicinal Plants. *Research journal of Medicinal plants* 6(1): 65-73.[F]
12. R. A. Banjara, S. K. Jadhav and S. A. Bhoite (2012) MIC for determination of antibacterial activity of Di-2-ethylamine phosphate. *Journal of chemical and Pharmaceutical Research* 4(1): 648-652. [F]
13. Shubhra Tiwari, Shailesh Kumar Jadhav and Kishan Lal Tiwari (2012) Production of Bioethanol From “Jatropha Oil Cake” *Researcher*4 (7): 7-10. [F]

14. Banjara R.A., Jadhav S.K. and Bhoite S.A. (2012) Antibacterial activity of di-2-ethylaniline phosphate screened by paper disc diffusion method. *Journal of Applied Pharmaceutical Science* 02 (07) : 230 – 233. [I]
15. Tiwari K.L., Chandrakar A. and Jadhav S.K. (2012) Studies of Bioethanol Production by some fermentative Bacteria. *International Journal of Biological and Health Science*, 01: 8 – 11. [I]
16. Kumar Ashish, K.L. Tiwari, S.K. Jadhav and P.K. Patra (2012) Estimation of Serum Adenosine Deaminase Enzyme: A New Tool for Diagnosis of Acute Upper Tract Infection (URI). *Global Journal of Biotechnology & Biochemistry*, 7 (2): 61 – 63. [F]
17. Arunima Karkun, K.L. Tiwari and S.K. Jadhav (2012) Fungal Diversity of Mandeepkhoh Cave in Chhattisgarh, India. *Advances in Bioresearch* 3 (2) : 119 – 123. [I]
18. Thakur Veena, Tiwari K.L., Quraishi A. and Jadhav S.K. (2013) Biohydrogen Production from Rice Mill Effluent. *Journal of Applied Science in Environmental Sanitation*, 7 (4): 237 – 240. [F]
19. Anshika Pandey, Shubhra Tiwari, K.L. Tiwari and S.K. Jadhav (2013) Bioconversion of Lignocellulosic Azolla into Bioethanol. *Journal of Applied Phytotechnology in Environmental Sanitation*, 2 (2) : 59 – 64. [F]
20. Neha Behar, K.L. Tiwari and Jadhav S.K. (2013) *In Silico* Survey of Genes Involved in Curcuminoid Synthesis for Expression Studies in *Curcuma caesia* Roxb. *International Journal of Computer Application*, Proceeding of National Conference of NIT, Raipur, 37 – 39.
21. Kunjam S.R., Jadhav S.K. and Tiwari K.L. (2013) Traditional Herbal Medicines for the Treatment of Snake Bite and Scorpion Sting by the tribes of South Surguja, Chhattisgarh, India, *Med. Aromat. Plants*. 2 (1) : 1 – 3. [I]
22. A. Quraishi, Nikita Admane and S.K. Jadhav (2013) Primer Designing for indexing of Banana Bunchy Top Virus in Tissue Culture Banana Plants of Chhattisgarh region. Proceeding of National Seminar on application of Artificial Intelligence in Bioinformatics, NIT, Raipur.
23. Neha Behar, K.L. Tiwari and S.K. Jadhav (2013) Comparative Phytochemical Screening of Bioactive Compound in *Curcuma caesia* Roxb. And *Curcuma longa*. *Research Journal of Medicinal Plant*, 7 (2) : 113 – 118. [F]
24. Tiwari Shubhra, Jadhav S.K. Tiwari K.L. and Esmil (2013) Comparative Study of Bioethanol Production from Deoiled and Oiled Rice Bran. *Res. J. Biotech.* 8 (9) : 10 – 12. [I] [JIF: 0.279]
25. Esmil Belya, Shubhra Tiwari, Shailesh Kumar Jadhav and Kishan Lal Tiwari (2013) Deoiled rice bran as a source of Bioethanol. *Energy Exploration & Exploitation* 31 (5): 771 – 782. [F] [JIF: 0.778]
26. Tripti Agrawal, Afaq Quraishi, Kishan Lal Tiwari and Shailesh Kumar Jadhav (2013) Ethanol Production from Mahua (*Madhuca indica* J.F. Gmel) Flowers by Soil Bacteria. *Researcher* (Marsland Press, New York, USA), 5 (12) : 102 – 106. [F]
27. Veenu Joshi and Shailesh Kumar Jadhav (2013) Effect of temperature and media supplements on slow growth conservation of medicinal plant *Spilanthes acmella*. *Botanica Serbica* 37 (2) : 155 – 160. [F]
28. Veenu Joshi and S.K. Jadhav (2013) Effect of Media Types and Carbon Sources on *In vitro* Shoot Proliferation of *Spilanthes acmella* (L.) Murray. *Plant Tissue Cult. & Biotech.* 23 (2) : 283 – 288. [F]
29. Shubhra Tiwari, S K Jadhav and Tiwari K L (2013) Comparative Study of Bioethanol Production from different Carbohydrate Sources. *Researcher* 5 (12): 219 – 221. [F]
30. Nagendra K. Chandravanshi, K.L. Tiwari, S.K. Jadhav and Afaq Quraishi (2013) Threats Facing by the Critical Medicinal Plants *Gloriosa superba* L. at Natural Habitat : Major Insect Pest and Human Interference. *Deccan Current Science*. 09 (02) : 221 – 228 [I]
31. Pramod Kumar Mahish, K.L. Tiwari and S.K. Jadhav (2013) Tolerance of Lead by Some Fungal Species Isolated from Industrial Waste Water. *Deccan Current Science*. 09 (02): 229 – 232. [I]
32. Neha Behar, K.L. Tiwari and S.K. Jadhav (2014) Effect of Explant Type in Development of *in vitro* Micropropagation Protocol of an Endangered Medicinal Plant: *Curcumacaesia* Roxb. *Biotechnology* 1 – 6 (ISSN 1682 296X/DOI: 3923/biotech2014). [F]
33. Veena Thakur, S K Jadhav and K L Tiwari (2014) Optimization of Different Parameters for Biohydrogen Production by *Klebsiella oxytoca* ATCC 13182. *Trends in Applied Science Research* 1 – 9 [F]
34. Shanthamma J. and Jadhav S K (2014) Aeromycological Survey of a Vegetable Market in

- Ambikapur City. *International Journal of Current Research*, 6 (2): 5229 – 5232. [F]
35. Pramod K. Mahish, Kishan L. Tiwari and Shailesh K. Jadhav (2014) Physiochemical and Microbial Studies of Paper Mill Effluent, Raipur (Chhattisgarh), India. *Banat's Journal of Biotechnology*, V (9): 57 – 62. [F]
 36. Ravishankar Chauhan, S.K. Jadhav and Afaq Quashi (2014) An Efficient Germination and Seedling Establishment Protocol for Hybrid *Carica papaya* Linn. With Application of Plant Growth Regulator. *Biotechnology* ISSN1682 – 296X/DOI:10.3923/biotech.2014p. 1-4. [F]
 37. Inderpal Kaur, Veenu Joshi, Shailesh Kumar Jadhav (2014) DNA Isolation from Fresh and Dry Leaves of Some Medicinal Plants. *Tom.XXI* (1) : pp. 45-50. [F]
 38. Shubha Thakur, Malvika Talware, Shailesh Kumar Jadhav & Afaq Quraishi (2014) Screening of different carbon sources for *in vitro* shoot production of *Asparagus racemosus* Willd. *American-Eurasian J. Agric. & Environ. Sci.* 14(10):1112-1115 DOI: 10.5829/idosi.aejas.2014.14.10.12435 [F]
 39. Paul JS, Quraishi A, Thakur V & Jadhav SK (2014) Effect of ferrous and nitrate ions on biological hydrogen production from dairy effluent with anaerobic waste water treatment process. *Asian Journal of Biological Sciences* :7(4):165-171.[F]
 40. Mithilesh Kumari Gupta, SK Jadhav and SA Bhoite (2014), Evaluation of Antibacterial B of Phosphate Esters by Well Diffusion Method. *World Journal of Pharmaceutical Research* 8 : 420 – 428. [F]
 41. Shubhra Tiwari, S. K. Jadhav, Mayuri Sharma and K.L. Tiwari 2014 Fermentation of waste fruits for bioethanol production. *Asian Journal of Biological Sciences*. 7(1): 30-34. DOI: 10.3923/ajbs.3034.[F]
 42. Anshika Pandey, Shubhra Tiwari, S. K. Jadhav and K.L. Tiwari 2014 Efficient microorganism for bioethanol production from lignocellulosic *Azolla*. *Research Journal of Environmental Sciences*.8(6): 350-55.DOI:10.3923/rjes.2014.350.355.[F]
 43. Veena Thakur, K.L Tiwari and S.K. Jadhav (2015) Production of biohydrogen production from wastewater by *Klebsiella oxytoca* ATCC 13182. *Water environment research* 87 (8), 683-686, [F] [JIF: 0.865]
 44. Veena Thakur, K.L Tiwari and S.K. Jadhav(2015) Biohydrogen production from wastewater by immobilized culture of *Clostridium acetobutylicum* NCIM2877, Report and opinion 7(3) 1-4 [F]
 45. Ankita Chaudhary, Veena Thakur, Afaq Qureshi and S.K. Jadhav (2015) Isolation and characterization of biohydrogen producing bacteria from rice bran and optimization of different parameters *International journal of biomass and renewable* 4(1) 10-14, 2014 [F]
 46. Garima Shukla, Veena Thakur and S.K. Jadhav (2015) Biohydrogen production from rice mill wastes by *Clostridium acetobutylicum* NCIM 2877 .*World Journal of Engineering* 12(4) 383-390. [F] (Scopus)
 47. Chandrawanshi Nagendra Kumar, S. K. Jadhav, K. L. Tiwari and Quraishi Afaq (2015) *In vitro* Tuberization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3): 142-147. [F]
 48. B.M. Lall, Jaishankar Paul and S.K. Jadhav (2015) “Effect of Incubation Period (with Static and Shaking Condition) on alpha-Amylase Production from *Aspergillus flavus*”. *Advances in Biological Research* 9 (1) : 1 – 6. [F]
 49. Veenu Joshi, Kishan Lal Tiwari and Shailesh Kumar Jadhav (2015) “In vitro propagation of *Spilanthes acmella* (L.) Murray using semisolid and liquid medium”. *Indian Journal of Biotechnology* 14: 112 – 116. [I] [JIF: 0.386]
 50. Shubha Thakur, K.L. Tiwari and S.K. Jadhav (2015) “Antimicrobial Screening of Root Extract of *Asparagus racemosus* Willd.” *Current Trends in biotechnology and Pharmacy*. 9 (2) : 147 – 150. [I]
 51. Tiwari S, Jadhav SK, Tiwari KL (2015) Bioethanol production from rice bran with optimization of parameters by *Bacillus cereus* strain McR -3. *Int. J. Environ. Sci. Technol.* DOI 10.1007/s13762-014-0746-1 [F][JIF: 2.190]
 52. Pramod Kumar Mahish, K.L. Tiwari and S.K. Jadhav (2015) “Biodiversity of Fungi from Lead Contaminated Industrial Waste Water and Tolerance of Lead Metal Ion by Dominant Fungi” *Research Journal of Environmental Sciences*. DOI: 10.3923/rjes: 1-6. [F]

KK Sahu

1. S. Keshavkant, J Padhan, S Parkhey & SC Naithani (2012) Physiological and antioxidant responses of germinating *Cicer arietinum* seeds to salt stress. *Russian Journal of Plant*

- Physiology*, 59 (2): 206-211. [F] [JIF: 0.946]
2. Suruchi Parkhey, SC Naithani & S. Keshavkant (2012) ROS production and lipid catabolism in desiccating *Shorearobusta* seeds during natural ageing. *Plant Physiology and Biochemistry*, 57: 261-267.[F] [JIF: 2.756]
 3. Suruchi Parkhey, SC Naithani & S. Keshavkant (2014) Protein metabolism during natural ageing in desiccating recalcitrant seeds of *Shorea robusta*. *Acta Physiologicae Plantarum*, 36: 1649-1659. [F] [JIF: 1.584]
 4. Suruchi Parkhey, Mamta Tandon & S. Keshavkant (2014) Salicylic acid and acquisition of desiccation tolerance in *Pisumsativum* seeds. *Biotechnology*, 13(5): 217-225.{SCOPUS/Thompson Indexed Journal}[NAAS: National Academy of Agricultural Sciences, IARI, New Delhi, India][F]
 5. J Chandra, M Tandon, S Keshavkant (2015) Increased rate of drying reduces metabolic inequity and critical water content in radicles of *Cicerarietinum*L. *Physiology and Molecular Biology of Plants* (21)3: 215-223. [I]

A Quraishi

1. Chandrawanshi Nagendra Kumar, S. K. Jadhav, K. L. Tiwari and Quraishi Afaque (2015) *In vitro* Tuberization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3): 142-147. [F]
2. Shubha Thakur, Malvika Talware, Shailesh Kumar Jadhav & Afaque Quraishi (2014) Screening of different carbon sources for *in vitro* shoot production of *Asparagus racemosus*Willd. *American-Eurasian J. Agric. & Environ. Sci.* 14(10):1112-1115 DOI: 10.5829/idosi.aejaes.2014.14.10.12435.[F]
3. Paul JS, Quraishi A, Thakur V & Jadhav SK (2014) Effect of ferrous and nitrate ions on biological hydrogen production from dairy effluent with anaerobic waste water treatment process. *Asian Journal of Biological Sciences* 7(4):165-171.[F]
4. Chauhan R, Jadhav SK & Quraishi A (2014) An efficient seed germination and seedling establishment protocol hybrid *Carica papaya* Linn. with application of plant growth regulator. *Biotechnology* 13(3): 139-142. [F]
5. Thakur Veena, Tiwari K.L., Quraishi A. & Jadhav S.K. (2013) Biohydrogen Production from Rice Mill Effluent. *Journal of Applied Science in Environmental Sanitation*, 7 (4): 237 – 240. [F]
6. Chandrawanshi NK, Tiwari KL, Jadhav SK & Quraishi A (2013) Threats facing by the critically vulnerable medicinal plant *Gloriosa superba* L. at natural habitat: Major insect pest and human interference. *Deccan Current Science* 9(2): 221-228.[I]
7. Agrawal T, Quraishi A, Tiwari KL & Jadhav SK (2013) Ethanol Production from Mahua (*Madhuca indica* J. F. Gmel) Flowers by Soil Bacteria. *Researcher* 5(12): 102-106. [F]
8. Quraishi A (2012) Continuous culture of *Acacia mangium* Willd. *Research J Science & Tech* 4(5): 197-200.[I]
9. Quraishi A, Jadhav SK & Gupta S (2011) *In vitro* clonal propagation of *Cassia tora* L. (Coffee Pod): A medicinal plant. *Biotechnology* 10(6): 546-550 (December 2011) [F]

NK Chandrawanshi

1. Chandrawanshi Nagendra Kumar, S. K. Jadhav, K. L. Tiwari & Quraishi Afaque (2015)*In vitro* Tuberization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3): 142-147. [F]
2. Chandrawanshi, Nagendra K., K.L. Tiwari, S.K. Jadhav & Afaque Quraishi (2013) Threats Facing by The Critically vulnerable medicinal plant *Gloriosa superba* L. at natural habitat: Major Insect Pest and Human Interference. *Deccan Current Science*. 9(2): 221-228. [I]

KL Tiwari (Former Faculty)

1. Tiwari K.L., Jadhav S.K., and Ashish Kumar (2011) Morphology and molecular study of different *Penicillium* species. *Middle –East Journal of Scientific research* 7 (2): 203-210. [F]
2. Tiwari K.L., Jadhav S.K., and Kumar Ashish (2011) Random amplified polymorphic DNA (RAPD) molecular marker based genetic relationship study of medicinal plants collected from tribal region of Chhattisgarh, India. *Research journal of Biotechnology* 6(3): 63-66. [I][JIF: 0.279]
3. Tiwari K.L., Jadhav S.K., and Veenu Joshi (2011) An update review on medicinal herb genus *Spilenthesis*. *Journal of Chinese Intergrative Medicine*, 09(11): 1170-1178.[F]

4. Tiwari K.L., Jadhav S.K. and Lall B.M. (2011) Biodiversity of Aeromycoflora of Garden, CollectorateParisar, Raipur. *Int. J. Environmental Sciences* 1(1): 103-116. [F]
5. K.L. Tiwari, S.K. Jadhav, and S. Gupta (2012) Modified CTAB technique for isolation of DNA from some medicinal Plants. *Research journal of Medicinal plants* 6(1): 65-73.[F]
6. K.L. Tiwari, S.K. Jadhav, and S. Tiwari (2011) Studies of Bioethanol Production from some carbohydrate sources by Gram Positive Bacteria. *Journal of Sustainable energy and Environment* 2:141-144. [F]
7. Shubhra Tiwari, Shailesh Kumar Jadhav and KishanLal Tiwari (2012) Production of Bioethanol from “Jatropha Oil Cake” *Researcher4* (7): 7-10. [F]
8. Thakur Veena, Tiwari K.L., Quraishi A. and Jadhav S.K. (2013) Biohydrogen Production from Rice Mill Effluent. *Journal of Applied Science in Environmental Sanitation*, 7 (4): 237 – 240. [F]
9. Anshika Pandey, Shubhra Tiwari, K.L. Tiwari and S.K. Jadhav (2013) Bioconversion of LignocellulosicAzolla into Bioethanol. *Journal of Applied Phytotechnology in Environmental Sanitation*, 2 (2): 59 – 64. [F]
10. Neha Behar, K.L. Tiwari and Jadhav S.K. (2013) *In Silico* Survey of Genesinvolved in Curcuminoid Synthesis for Expression Studies in *Curcuma caesia*Roxb. *International Journal of Computer Application*, Proceeding of National Conference of NIT, Raipur, 37 – 39.
11. Tiwari K.L., Chandrakar A. and Jadhav S.K. (2012) Studies of Bioethanol Production by some fermentative Bacteria. *International Journal of Biological and Health Science*, 01: 8 – 11. [I]
12. Kumar Ashish, K.L. Tiwari, S.K. Jadhav and P.K. Patra (2012) Estimation of Serum Adenosine DeaminaseEnzyme : A New Tool for Diagnosis of Accute Upper Tract Infection (URi). *Global Journal of Biotechnology & Biochemistry*, 7 (2):61 – 63. [F]
13. Kunjam S.R., Jadhav S.K. and Tiwari K.L. (2013) Traditional Herbal Medicines for the Treatment of Snake Bite and Scorpion Sting by the tribes of South Surguja, Chhattisgarh, India. *Med. Aromat. Plants*. 2 (1): 1 – 3. [I]
14. Arunima Karkun, K.L. Tiwari and S.K. Jadhav (2012) Fungal Diversity of Mandeepkhol Cave in Chhattisgarh, India. *Advances in Bioresearch* 3 (2): 119 – 123. [I]
15. Neha Behar, K.L. Tiwari and S.K. Jadhav (2013) Comparative Phytochemical Screening of Bioactive Compound in *Curcuma caesia* Roxb. And *Curcuma longa*. *Research Journal of Medicinal Plant*, 7 (2): 113 – 118. [F]
16. Tiwari Shubhra, Jadhav S.K. Tiwari K.L. and Esmil (2013) Comparative Study of Bioethanol Production from Deoiled and Oiled Rice Bran. *Res. J. Biotech.* 8 (9): 10 – 12. [I] [JIF: 0.279]
17. Esmil Belya, Shubhra Tiwari, Shailesh Kumar Jadhav and KishanLal Tiwari (2013) De-oiled rice bran as a source of Bioethanol. *Energy Exploration & Exploitation* 31(5) : 771 – 782. [F] [JIF: 0.778]
18. Tripti Agrawal, Afaque Quraishi, Kishan Lal Tiwari and Shailesh Kumar Jadhav (2013) Ethanol Porduction from Mahua (*Madhuca indica* J.F.Gmel) Flowers by Soil Bacteria. *Researcher* (Marsland Press, New York, USA), 5 (12) : 102 – 106. [F]
19. Shubhra Tiwari, S K Jadhav and Tiwari K L (2013) Comparative Study of Bioethanol Production from different Carbohydrate Sources. *Researcher* 5 (12): 219 – 221. [F]
20. Nagendra K. Chandravanshi, K.L. Tiwari, S.K. Jadhav and Afaque Quraishi (2013) Threats Facing by the Critical Medicinal Plants *Gloriosa superba* L. at Natural Habitat: Major Insect Pest and Human Interference. *Deccan Current Science*. 09 (02): 221 – 228 [I]
21. Pramod Kumar Mahish, K.L. Tiwari and S.K. Jadhav (2013) Tolerance of Lead by Some Fungal Species Isolated from Industrial Waste Water. *Deccan Current Science*. 09 (02): 229 – 232. [I]
22. Veena Thakur, K.L Tiwari and S.K. Jadhav (2015) Production of biohydrogenproductionfrom wastewater by *Klebsiellaoxytoca* ATCC 13182. *Water environment research* 87 (8), 683-686, (F) [JIF: 0.865]
23. Veena Thakur, K.L Tiwari and S.K. Jadhav (2015). Biohydrogen production from wastewater by immobilized culture of *Clostridium acetobutylicum* NCIM2877, Report and opinion 7(3) 1-4 [F]
24. Neha Behar, K.L. Tiwari and S.K. Jadhav (2014) Effect of Explant Type in Development of *in vitro* Micropropagation Protocol of an Endangered Medicinal Plants: *Curcumacaesia* Roxb. *Biotechnology* 1 – 6 (ISSN 1682 296X/DOI : 3923/biotech2014).[F]
25. Veena Thakur, S K Jadhav and K L Tiwari (2014) Optimaization of Different Parameters

- for Biohydrogen Production by *Klebsiellaoxytoca* ATCC 13182. *Trends in Applied Science Research* 1 – 9 [F]
26. Pramod K. Mahish, Kishan L. Tiwari and Shailesh K. Jadhav (2014) Physiochemical and Microbial Studies of Paper Mill Effluent, Raipur (Chhattisgarh), India. *Banat's Journal of Biotechnology*, V (9) : 57 – 62.[F]
 27. Chandrawanshi Nagendra Kumar, S. K. Jadhav, K. L. Tiwari and Quraishi Afaque (2015) *In vitro* Tuberization and Colchicine Content Analysis of *Gloriosa superba* L. *Biotechnology*, 14(3): 142-147. [F]
 28. Tiwari, K.L., Jadhav, S.K. and Tiwari, S. (2011) Antibacterial studies of cave water. *Deccan Current Science* 4: 237-240.[I]
 29. Tiwari, K.L., Jadhav, S.K. and Tiwari, S. (2010) The effects of temperature variation in the bioethanol production process. *Bioprocessing Journal*. 9(1): 18-20. [F]
 30. Shubhra Tiwari, S. K. Jadhav, Mayuri Sharma and K.L. Tiwari (2014) Fermentation of waste fruits for bioethanol production. *Asian Journal of Biological Sciences*. 7(1): 30-34. DOI: 10.3923/ajbs.3034.[F]
 31. Anshika Pandey, Shubhra Tiwari, S. K. Jadhav and K.L. Tiwari 2014 Efficient microorganism for bioethanol production from lignocellulosic *Azolla*. *Research Journal of Environmental Sciences*.8(6): 350-355.DOI:10.3923/rjes.2014.350.355.[F]
 32. Tiwari S, Jadhav SK, Tiwari KL (2015) Bioethanol production from rice bran with optimization of parameters by *Bacillus cereus* strain McR -3. *Int. J. Environ. Sci. Technol.* DOI 10.1007/s13762-014-0746-1 [F][JIF: 2.190]

Other Publications of Faculty

S.K. Jadhav

Book

1. "Production of bioethanol from Mahua flower"; 2011: Lambert Academic Publishing, Germany. ISBN 978-3-8433-9150, pp: 1-80. [F]
2. Fungal Biodiversity of Hospital Area ; 2011 Lambert Academic Publishing, Germany. ISBN 978-3-8443-1733-6, pp: 1 - 304. [F]
3. "Atmospheric Fungal Diversity of Chhattisgarh" 2011 Lambert Academic Publishing, Germany.ISBN – 978-3-8454-3764-4 pp: 1- 296. [F]
4. "Green Gold MineAzolla" 2014 Lambert Academic Publishing, Germany. ISBN –978-3-659-54782-9 pp: 1- 91. [F]
5. "Golden Strides"2014 (Compilation of Ph.D. Awarded in Last Five Decades) Published by: Registrar, Pt. Ravishankar Shukla University, Raipur. pp: 1- 208.[I]
6. "Biotechnology and Traditional Knowledge" 2014 (Proceeding of National conference) Biotech Books New Delhi INBN 978-81-7622-330-0. [I]
7. "A Text Book in Bioprocess Engineering" (Under Process) I.K. International Publication, New Delhi.

KK Sahu

Edited Books

1. S. Keshavkant & Arti Parganiha (2011) Abstract Book: National Conference on Advances in Biological Sciences, School of Life Sciences, Pt. Ravishankar Shukla University, Raipur 492 010, November 5 - 7, 2011. [I]
2. SK Jadhav, S. Keshavkant& Afaque Quraishi (2013) Abstract Book: National Conference on Traditional Knowledge and Biotechnology, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur 492 010, November 22 - 24, 2013. [I]

Books:

1. S. Keshavkant, Balram Sahu & Suruchi Parkhey (2013) Artificial Ageing Induced Metabolic Changes in *Cicerarietinum* Seeds: ROS catabolism, lipid peroxidation, protein carbonylation, nucleic acid integrity and antioxidants. Lambert Academic Publishing AG & Co, Saarbrucken, Germany (ISBN: 978-3-659-42682-7). [F]

A Quraishi**Book Chapter**

1. Quraishi A (2013) *In vitro* clonal propagation of forests trees: By bud culture technique. In: Modern Biotechnology and its Applications: Part 1. KK Behera (Ed.) New India Publishing Agency, New Delhi, pp 47-56 (ISBN: 9789381450833) [I]

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

Name of consultancy provider	Nature of consultancy service	Name of Customer/ Agency	Year	Revenue generated year wise
School of Studies in Biotechnology	Establishment a new Plant Tissue Culture Industry	Replicon Biotech (I) (P) Ltd., Raipur	2012-13	Free Consultancy
School of Studies in Biotechnology	Identification of Aquatic plants	Office of Divisional Forest, Forest Division Mahasamund (C.G.)	2015	Free Consultancy
School of Studies in Biotechnology	Water testing of ponds	Office of Divisional Forest, Forest Division Mahasamund (C.G.)	2015	Free Consultancy

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

None

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

SK Jadhav**National committees**

- Member, (Microbiology) Board of Study, Bilaspur University, Bilaspur.
- Member, Board of Study, (Microbiology and Biotechnology) Baster University, Jagdalpur.
- Member, Academic Council, SS Open University, Bilaspur.
- Chairman, Board of Study, Biotechnology, Pt. RS University, Raipur.
- Coordinator, UGC Coaching Centre, Pt. RS University, Raipur.
- OSD Confidential Section, Pt. RSS University, Raipur.
- President, Botanical Alumni Association, Govt. Nagarjun Science College, Raipur
- Joint secretary, Indian Aerobiology Society, New Delhi.

Editorial Board

- Associate Editor, Deccan Current Science
- Member in Editorial Boards, International Disaster Management, Indore
- Biotechnology and Traditional Knowledge, 2014 (Proceeding of National conference) Biotech Books New Delhi INBN 978-81-7622-330-0.

Any other: Member in Professional Bodies

- Fellow of Advance Plant Science Society, Muzaffarnagar, UP.
- Fellow of International Society of Biotechnology, Indore.
- Fellow of Int. Congress of Chemistry and Environment Indore.

- Fellow of Current Trends in Biotechnology and Pharmacy (An International Scientific Journal) Association of Biotechnology and Pharmacy, Guntur, Andhra Pradesh – 522 002.

KK Sahu

National committees

- Member, Board of Studies- Biotechnology, Pt. RS University, Raipur.
- Member, Pt. RS University Teachers Association, Raipur.
- Member, Life Science Alumni Association, Pt. RSU, Raipur.
- Member, Indian Society of Plant Physiologists, New Delhi.
- Member, Academy of Plant Sciences, Muzaffarnagar, UP.
- Member, Hind Agri-Horticultural Society, Muzaffarnagar, UP.
- Member, Indian Society of Tree Scientists, NauniSolan, HP.

Editorial Board

- Reviewer, Journal of Tropical Forest Science, by FRIM, Malaysia.
- Reviewer, Journal- Plant Physiology and Biochemistry, by Elsevier (IF- 2.8).
- Reviewer, Journal- Journal of Plant Physiology, by Elsevier (IF- 2.7)
- Reviewer, Journal- African Journal of Agricultural Research, by Academic Journals.
- Reviewer, Journal- Greener Journal, by Scandevian society.

A Quraishi

National committees

- Member, Pt. RS University Teachers Association, Raipur.
- Member, Life Science Alumni Association, Pt. RSU, Raipur

KK Shukla

National committees

- Member, Board of Studies- Biotechnology, Pt. RS University, Raipur.

NK Chandrawanshi

National committees

- Member, Pt. RS University Teachers Association, Raipur.
- Member, Board of Studies- Biotechnology, Pt. RS University, Raipur.
- Member, Alumni Association of Biotechnology, Amanaka, Raipur.

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
A Quraishi	Refresher Course in Biotechnology – 21st Century, ASC, PRSU, Raipur	17.7.2012 - 06.8.2012
KK Shukla	Refresher Course in Biotechnology – 21st Century, ASC, PRSU, Raipur	17.7.2012 - 06.8.2012
KK Sahu	Refresher Course in Biotechnology – 21st Century, ASC, PRSU, Raipur	17.7.2012 - 06.8.2012
NK Chandrawanshi	Workshop on Statistical Data Analysis, Applied Statistics Unit of the Institute, Kolkata	January 21-35, 2013
NK Chandrawanshi	Workshop on E-Learning, ASC, Raipur	January 28-30, 2013
NK Chandrawanshi	National Workshop on Operation and Maintenance of Laboratory Equipment's, School of Studies in Electronics & Photonics, PRSU, Raipur (C.G.)	January 19-23, 2015
NK Chandrawanshi	Orientation Program, Human Resource Development, Centre , PRSU, Raipur	June 3-30, 2015
A Quraishi	Summer School, Human Resource Development, Centre , PRSU, Raipur	20 July-9 August, 2015

KK Shukla	Summer School, Human Resource Development, Centre , PRSU, Raipur	20 July-9 August, 2015
-----------	--	------------------------

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

Session	M.Sc.		M.Phil.
	In-house projects	Collaboration with other Institutes	
2010-2011	05.00	95.00	100
2011-2012	17.39	76.92	100
2012-2013	15.00	30.00	100
2013-2014	20.00	30.00	100
2014-2015	00.00	25.00	-

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Faculty**SK Jadhav****National level**

- Joint secretary, Indian Aerobiology Society, New Delhi.

International level

- Act as Chairperson in one technical session; 5th International Congress of Chemistry and Environment ICCE 2011 at Malaysia.
- 6th International Congress of Chemistry and Environment ICCE 2013 at University of Antwerp, Belgium. (Act as Chairperson in one technical session and Awarded Best paper)

KK Sahu**Chaired a Session**

- During one of the technical sessions of National Seminar on Innovation and Research in Science, Management and Technology, Department of Microbiology and Computer Science, Bilaspur University, Bilaspur, March 29-30, 2015.
- During one of the technical sessions of National Conference on Recent Advances in Microbiology and Biofuels, Department of Microbiology, Bilaspur University, Bilaspur, September 12-13, 2015.

NK Chandrawanshi

- Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2010
- Senior Research Fellow (SRF), University Grants Commission, New Delhi, 2012

Doctoral students**Award****2010**

1. Shubhra Tiwari 8th Chhattisgarh Young Scientist Award (Biotechnology)

2013

1. Veenu Joshi: 11th Chhattisgarh Young Scientist Award (Botany)

2014

1. Neha Behar: 12th Chhattisgarh Young Scientist Award (Botany)
2. Tripti Agrawal: 12th Chhattisgarh Young Scientist Award (Biotechnology)
3. Alka Kaushik: 12th Chhattisgarh Young Scientist Award (Biotechnology)

2015

1. Shubha Thakur: 13th Chhattisgarh Young Scientist Award (Biotechnology)

Fellowship

2010-2011

1. Pramod Kumar Mahish: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2010
2. Nagendra Kumar Chandrawanshi: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2010
3. Shubhra Tiwari, University Research Fellowship, Pt. Ravishankar Shukla University, Raipur, 2010

2011-2012

1. Sneha Bhandari : DBT- Junior Research Fellowship, 2011
2. Riya Biswas: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2011

2012-2013

1. Alka Kaushik : DBT- Junior Research Fellowship, 2012
2. Chitralekha Mandavi, GATE, Biotechnology, 2012
3. Nagendra Chandrawanshi, GATE, Biotechnology, 2012
4. Alka Kaushik, GATE, Biotechnology, 2012
5. Garima Tiwari, GATE, Biotechnology, 2012
6. Akansha Jain, GATE, Biotechnology, 2012
7. Mahendra Sahu, GATE, Life Science, 2012
8. Madhu Manikpuri, GATE, Biotechnology, 2012
9. Tikendra Verma, GATE, Biotechnology, 2012
10. Veena Thakur, GATE, Biotechnology, 2012
11. Devshree Thakur, GATE, Biotechnology, 2012
12. Alka Kaushik: Lectureship (LS), University Grants Commission (UGC) National Eligibility Test, (UGC-NET) New Delhi, 2012
13. Shubha Thakur: Lectureship (LS), University Grants Commission (UGC) National Eligibility Test, (UGC-NET) New Delhi, New Delhi, 2012
14. Pramod Kumar Mahish: Senior Research Fellow (SRF), Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2012
15. Nagendra Kumar Chandrawanshi: Senior Research Fellow (SRF), University Grants Commission, New Delhi, 2012

2013-2014

1. Aditya L. Toppo: DBT- Junior Research Fellowship, 2013
2. Gyanmani Ekka: DBT- Junior Research Fellowship, 2013
3. Vibhuti Chandrakar: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2013
4. Anshika Pandey : INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2013
5. Rajeshwari, GATE, Biotechnology, 2013
6. Jipsi Chandra, GATE, Biotechnology, 2013
7. Aditya L. Toppo, GATE, Biotechnology, 2013
8. Chanchal Khusro, GATE, Biotechnology, 2013
9. Aditya L. Toppo: DBT- Junior Research Fellowship, 2013
10. Gyanmani Ekka: DBT- Junior Research Fellowship, 2013
11. Vibhuti Chandrakar: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2013
12. Anshika Pandey : INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2013
13. Rajeshwari, GATE, Biotechnology, 2013
14. Jipsi Chandra, GATE, Biotechnology, 2013
15. Aditya L. Toppo, GATE, Biotechnology, 2013
16. Chanchal Khusro, GATE, Biotechnology, 2013
17. Pankaj Temulkar: Lectureship (LS), University Grants Commission (UGC) National Eligibility Test, (UGC-NET) New Delhi, New Delhi, 2013
18. Chitralekha Mandavi: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013

19. Rakhi Thakur: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
20. Ankita Choudhary: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
21. Jipsi Chandra: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
22. Veena Thakur: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
23. Shubha Thakur: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
24. Satish Ramteke: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
25. Aditya L. Toppo: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
26. Ravishankar Chauhan: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
27. Neeraj Kumar Verma: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
28. Sneha Bhandari: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
29. Madhu Manikpuri: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
30. Rajeshwari P. Lahre: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
31. Indarpal Kaur: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
32. Nagendra Kumar Chandrawanshi: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
33. Chitralekha Mandavi: Chhattisgarh, State Eligibility Test for Lectureship (CG SET), 2013
34. Nikita Admane, ARS-NET, Agricultural Biotechnology, 2013
35. Rajeshwari P. Lahre, ARS-NET, Agricultural Biotechnology, 2013
36. Veena Thakur: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2013
37. Ravishankar Chauhan: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2013
38. Esmil Beliya: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2013]
39. Jipsi Chandra, University Research Fellowship, Pt. Ravishankar Shukla University, Raipur, 2013

2014-2015

1. Ankita Choudhary: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2014
2. Indarpal Kaur: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2014
3. Nikita Admane: Junior Research Fellowship (JRF), Council of Scientific and Industrial Research (CSIR), New Delhi, 2014
4. Veenu Joshi: Senior Research Fellowship (SRF), Council of Scientific and Industrial Research (CSIR), New Delhi, 2014
5. Ankush Kerketta, GATE, Biotechnology, 2014
6. Neeraj Kumar Verma, GATE, Biotechnology, 2014
7. Nikita Admane, GATE, Biotechnology, 2014
8. Neeraj Kumar Verma, ARS-NET, Agricultural Biotechnology, 2014
9. Roselins Xalxo: Junior Research Fellowship, Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2014
10. Tikendra Verma, University Research Fellowship, Pt. Ravishankar Shukla University, Raipur, 2014
11. Samiksha Sharma, University Research Fellowship, Pt. Ravishankar Shukla University, Raipur, 2014

2015-2016

1. Neeraj Kumar Verma: DBT- Junior Research Fellowship, 2015
2. Virendra Kumar: DBT- Junior Research Fellowship, 2015
3. Veena Thakur: Senior Research Fellow (SRF), Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2015
4. Ravishankar Chauhan: Senior Research Fellow (SRF), Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2015
5. Esmil Beliya: Senior Research Fellow (SRF), Rajiv Gandhi National Fellowship, University Grants Commission, New Delhi, 2015

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international)

with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Conference	Traditional Knowledge & Biotechnology, November 22-24, 2013	UGC, DST, ICMR, CCOST	C Manoharachary, BR Kaushal, SK Sahu, MP Thakur, Anil Prakash, BN Tiwary, SK Chaturvedi, ML Naik, K Subramaniam, AK Pande, BN Pande, SB Verulkar
Workshop	Hands on Training Workshop on Molecular Biology and Immunology Related Teaching kits, October 13-14, 2014	HiMedia Pvt. Ltd., Mumbai	

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.					
2011-2012	126	05	18	100	93.34
2012-2013	101	02	18	100	100
2013-2014	82	05	15	100	100
2014-2015	66	09	11	100	100
2015-2016	77	04	16	100	100
M.Phil.					
2011-2012	27	03	07	00	100
2012-2013	29	02	08	100	100
2013-2014	28	01	09	100	100
2014-2015	16	00	05	100	100
2015-2016	09	00	00	00	00
Ph.D.					
2011-2012	120	00	09	00	33.33
2012-2013	90	02	01	Pursuing	Pursuing
2013-2014	63	01	05	Pursuing	Pursuing
2014-2015	60	01	06	Pursuing	Pursuing
2015-2016	51	00	01	-	-

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.Sc.	2011-2012	70.63	23.01	6.34	Nil
	2012-2013	81.18	14.85	3.96	Nil
	2013-2014	84.14	9.75	2.43	Nil
	2014-2015	72.72	24.24	3.03	Nil
	2015-2016	87.01	3.89	9.09	Nil
M.Phil.	2011-2012	62.96	3.70	33.33	Nil
	2012-2013	75.86	55.17	10.34	Nil

	2013-2014	75.00	14.28	10.71	Nil
	2014-2015	75.00	25.00	00.00	Nil
	2015-2016	55.55	33.33	11.11	Nil
Ph.D.	2011-2012	75.00	16.66	08.33	Nil
	2012-2013	66.66	14.44	18.88	Nil
	2013-2014	66.66	14.28	19.04	Nil
	2014-2015	53.33	28.33	01.66	Nil
	2015-2016	36.00	08.00	07.00	Nil

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Sneha Bhandari	DBT-JRF, CSIR- NET LS	2011	ST
2.	Alka Kaushik	DBT-JRF	2012	OBC
3.	Anshika Pandey	CSIR- NET LS	2012	UR
4.	Rajeshwari P. Lahre	CSIR-NET LS	2012	SC
5.	Alka Kaushik	UGC-NET LS	2012	OBC
6.	Shubha Thakur	UGC-NET LS	2012	UR
7.	Chitralekha Mandavi	GATE, Biotechnology	2012	ST
8.	Nagendra Chandrawanshi	GATE, Biotechnology	2012	ST
9.	Alka Kaushik	GATE, Biotechnology	2012	OBC
10.	Garima Tiwari	GATE, Biotechnology	2012	UR
11.	Akansha Jain	GATE, Biotechnology	2012	UR
12.	Mahendra Sahu	GATE, Life Sciences	2012	OBC
13.	Madhu Manikpuri	GATE, Biotechnology	2012	OBC
14.	Tikendra Verma	GATE, Biotechnology	2012	OBC
15.	Veena Thakur	GATE, Biotechnology	2012	ST
16.	Devshree Thakur	GATE, Biotechnology	2012	ST
17.	Rajeshwari	GATE, Biotechnology	2013	SC
18.	Jipsi Chandra	GATE, Biotechnology	2013	OBC
19.	Aditya L. Toppo	GATE, Biotechnology	2013	ST
20.	Chanchal Khusro	GATE, Biotechnology	2013	ST
21.	Reena Meshram	UGC- NET JRF	2013	SC
22.	Gyanmani Ekka	CSIR-UGC-JRF	2013	ST
23.	Rakhi Thakur	CG SET	2013	UR
24.	Ankita Choudhary	CG SET	2013	UR
25.	Jipsi Chandra	CG SET	2013	OBC
26.	Veena Thakur	CG SET	2013	ST
27.	Shubha Thakur	CG SET	2013	UR
28.	Satish Ramteke	CG SET	2013	SC
29.	Aditya L. Toppo	CG SET	2013	ST
30.	Ravishankar Chauhan	CG SET	2013	SC
31.	Neeraj Kumar Verma	CG SET	2013	OBC
32.	Sneha Bhandari	CG SET	2013	ST
33.	Madhu Manikpuri	CG SET	2013	OBC
34.	Rajeshwari P. Lahre	CG SET	2013	SC
35.	Indarpal Kaur	CG SET	2013	UR
36.	NK Chandrawanshi	CG SET	2013	ST
37.	Nikita Admane	ICAR-ARS NET-LS	2013	UR
38.	Rajeshwari P. Lahre	ICAR-ARS NET-LS	2013	SC
39.	Nikita Admane	CSIR-NET- JRF	2014	UR
40.	Neeraj Kumar Verma	CSIR-NET LS	2014	OBC
41.	Shweta Pavani	CSIR-UGC- JRF	2014	UR
42.	Neeraj Kumar Verma	ICAR-ARS NET-LS	2014	OBC
43.	Ankush Kerketta	GATE, Biotechnology	2014	ST
44.	Neeraj Kumar Verma	GATE, Biotechnology	2014	OBC
45.	Nikita Admane	GATE, Biotechnology	2014	UR

		94 (AIR)		
46.	Neeraj Kumar Verma	DBT-JRF	2015	OBC
47.	Virendra Kumar	DBT-JRF	2015	ST

S. No.	Current Position	Name of Student	Program/ Batch	Placement Year	Category
1.	Probationary Officer, Canara Bank	Bhaves Vaidya	M.Sc./2008	2012	SC
2.	Assistant Professor, Govt. D. B. Girls P.G. College, Raipur	Vinita Sahu	M.Phil./2008	2012	OBC
3.	Scientific officer/Assistant Professor, Govt. College, Dongargarh CG	Shriram Kunjam	Ph.D./2008	2011	ST
4.	Probationary Officer, SBI	Rashmi Sahu	M.Sc./2009	2011	OBC
5.	Assistant Jailor, Assistant Veterinary Field Officer/ Veterinary Dept., Chhattisgarh	Satish Ramteke	M.Sc./2010	2014	SC
6.	Assistant Veterinary Field Officer, Veterinary Dept., Chhattisgarh	Babita Pradhan	M.Sc./2010	2013	OBC
7.	Cashier, CG Gramin Bank, Raigarh	Shashikant Sai	M.Sc./2011	2012	ST
8.	Cashier, PNB	Rakesh Hathile	M.Sc./2011	2012	SC
9.	Supervisor, Female and Child Development Dept. CG	Shashi Manikpuri	M.Sc./2011	2014	OBC
10.	Cashier, Andra Bank, Raipur CG	Ritu Gupta	M.Sc. Integrated/2013	2015	UR
11.	Women Supervisor, Govt. of Chhattisgarh	Chanchal Kusro	M.Sc. Integrated/2013	2014	ST
12.	Probationary Officer, Canara Bank CG	Pratima Khunte	M.Phil./2013	2014	SC
13.	Assistant Professor, Govt. Digvijay College, Rajnandgaon CG	Pramod Kumar	Ph.D./2014	2012	SC
14.	Assistant Professor, Pt. RSU Raipur (C.G.)	Nagendra Kumar Chandrawanshi	Ph.D./2014	2013	ST
15.	DSP, Govt. of Chhattisgarh	Anshika Pandey	M.Sc./2012	2012	UR

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	20
PG to Ph.D.	71.42
Ph.D. to Post-Doctoral	15.38
Employed	-
□ Campus selection	Nil
□ Other than campus recruitment	42
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	80 %
from other universities within the State	Nil
from universities from other States	20%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	3
c) Class rooms with ICT facility	3
d) Students' laboratories	3
e) Research laboratories	1
f) Seminar Hall	1

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Neha Behar	KL Tiwari	2011	Biotechnology
2.	Shubha Thakur	KL Tiwari	2011	Biotechnology
3.	Veena Thakur	KL Tiwari	2012	Biotechnology
4.	Alka Kaushik	SK Jadhav	2012	Biotechnology
5.	Tikendra Verma	KL Tiwari	2012	Biotechnology
6.	Ravishankar Chauhan	KK Sahu	2013	Biotechnology
7.	Jipsi Chandra	KK Sahu	2013	Biotechnology
8.	Esmil Beliya	SK Jadhav	2013	Biotechnology
9.	Shweta N	KK Sahu	2013	Biotechnology
10.	Vibhuti Chandrakar	KK Sahu	2013	Biotechnology
11.	Mona Tandon	KL Tiwari	2013	Biotechnology
12.	Ankita Choudhary	SK Jadhav	2014	Biotechnology
13.	Reena	SK Jadhav	2014	Biotechnology
14.	Jaishankar Paul	KL Tiwari	2014	Biotechnology
15.	Inderpal Kaur	SK Jadhav	2014	Biotechnology

ii. Post-doctoral: None

iii. Research Associates: None

b) from other institutions/universities

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Samiksha Sharma	KL Tiwari	2013	Biotechnology
2.	Bhumika Yadu	KK Sahu	2014	Biotechnology
3.	Roselins Xalxo	KK Sahu	2014	Biotechnology

ii. Post-doctoral (Ramanujan Fellow):

1.	Anagh Anant Sahasrabuddhe	SK Jadhav	2015-19	Ramanujan Fellow, DST
----	---------------------------	-----------	---------	-----------------------

iii. Research Associates: None

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Neelambra Verma	KL Tiwari (Co-supervisor)	2011	Biotechnology
2.	Amiy Dutt Chaturvedi	KL Tiwari	2012	Biotechnology
3.	Raju Mahobia	SK Jadhav	2013	Biotechnology
4.	Abhijit Ray	SK Jadhav (Co-supervisor)	2013	Biotechnology
5.	Arunima Karkun	KL Tiwari	2013	Biotechnology
6.	Shubhra Tiwari	SK Jadhav	2014	Biotechnology
7.	Pramod Kumar Mahish	SK Jadhav	2014	Biotechnology
8.	N K Chandrawanshi	SK Jadhav	2014	Biotechnology
9.	Neha Behar	KL Tiwari	2014	Biotechnology
10.	Punit Gupta	KL Tiwari	2014	Biotechnology
11.	Veenu Joshi	SK Jadhav	2015	Biotechnology

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from:

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
No
b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
The feedback collected from students, staff, curriculum and teaching-learning process (Questionnaire 1-3) is analysed and remedial measures are taken. Instantly implemented the suggestions received from the feedback.
c) alumni and employers on the programs offered and how does the department utilize the feedback?
Considering the suggestion for developing to good practices and opportunities.

43. List the distinguished alumni of the department (maximum 10)

In Academics:

S. No.	Name	Program/ Batch	Current position	Institute/ Place
1.	Alka Ekka	M.Sc./ 2006	Assistant Professor	GG Central University , Bilaspur, CG
2.	Bhavesh Vaidya	M.Sc./ 2008	Probationary Officer	Canara Bank
3.	Vinita Sahu	M.Phil./ 2008	Assistant Professor	CG Govt., Govt. DB Girls College, Raipur, CG
4.	Labya Prabhash	M.Phil./ 2008	Assistant Professor	School of Life Sciences, PRSU, Raipur, CG
5.	Ayesha Fatima	Ph.D./ 2009	CSIR-Fellow (PDF)	School of Life Sciences, PRSU, Raipur, CG
6.	Renjini Pillai	M.Phil./ 2010	Internal ISO Auditor (Quality Management)	Dubai, Saudi Arabia

			System)	
7.	Ashish Banjara	Ph.D./ 2010	Assistant Professor (PDF from Israel)	Sarguja University, Ambikapur, CG
8.	Nagendra Kumar Chandrawanshi	Ph.D./ 2014	Assistant Professor	SoS in Biotechnology, PRSU, Raipur, CG
9.	Pramod Kumar	Ph.D./ 2014	Assistant Professor	Govt. Digvijay College, Rajnandgaon, CG
10.	Anshika Pandey	M.Sc./ 2012	Deputy Collector	CG Govt.

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
“Hands on training workshop” on Molecular Biology and Immunology related Teaching Kits	2014	• Hi-Media official

Conferences & Workshops organized: 2010-2015

Invited lectures 2010-2015:

Invited Speaker	Year
Y K Bansal, Head, Deptt. of Bioscience, R.D. University, Jabalpur	2013
A K Tripathi, and Head, Deptt. of Dairy Microbiology College of Dairy Science & Food Technology, KV Raipur	2013
N C Sharma, Deptt of Biochemistry and Genetics, Barkatullah University, Bhopal	2013
S S Pati, State Pollution Control Board, Odisha	2013
S K Sahu, Deptt of Environmental Science, Sambalpur University, Odisa	2013
B R Kaushal, Department of Zoology, Kumaun University, Nainital	2013
C Manoharachary, University of Hyderabad, Hyderabad	2013
B.R. Kaushal, Uttaranchal	2013
S. K. Sahu, MP	2013
S.B. Verulkar, IGKV , Raipur	2013
B. N. Pande, Amravati, MH	2013
K. Subramaniam, CG Vyapam, Raipur	2013
M. L. Naik, Retired Professor, Raipur	2013
B. N. Tiwary, GGU Bilaspur	2013
M. P. Thakur IGKV , Raipur	2013
Abhijit Kulkarni ; Asst in Botany , Ahmednagar College, Ahmednagar	2013
BN Pande, (Emeritus Professor), Dept. of Civil & Env. Engg., J N Engineering College, Aurangabad (MS)	2013
S M Singh, Head Dept. of Biotechnology, BHU, Varanasi (UP)	2013
Boby Varghese, Associate Prof., School of Life Science University of KwaZulu-Natal West Ring Road, Durben, South Africa	2013
P Nath, Dept. of Zoology, Visva-Bharati, Shanti Niketan, West Bengal	2014
Pavchauh Nath, Dept of Zoology, Visva-Bharati, Santiniketan; West Bengal	2014
Rupkumar Kar, Dept. of Botany, Visva-Bharati, Shanti Niketan, West Bengal	2014
Robert Huber, (Nobel Laureate: Chemistry,1988), Max-Planck Institute for Biochemistry, Martinsried, Germany	2014
M M Hambarde, Director General, CGCOST, Raipur	2014
Anil Prakash, Deptt of Microbiology, Barkatullah University, Bhopal	2014
Arvind Girokar, Principal , Govt. D B Girls College, Raipur	2014
D K Sharma, Dean, College of Agriculture, Bhatapara	2014
S Dey, IIT Kharagpur	2014
Asha Kembhaul, Novozymes South Asia Pvt. Ltd.	2014
S Narasimhan, Asthagiri Herbal Res. Foundation	2014
M L Somar	2014

Anjana Sharma, RDV Jabalpur	2014
Meetal Kumar, Scientist; DRDO, New Delhi	2014
Sharma, Vice-Chancellor, Bilaspur University, Bilaspur	2015
Prasad A Wedegamkar, Dept of Biotechnology, SGB Amravati University, Amravati	2015
TK Adhya, FNA, School of Biotechnology, KIIT University, Bhuneshwar, Odisha	2015

45. List the teaching methods adopted by the faculty for different programs.
- M.Sc. (ICT and Virtual Lab.)
 - M.Phil. ((ICT and Virtual Lab.)
 - Ph.D. (ICT and applying web resource regarding targeted research area)
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

Workshop, Invited Lectures by prominent personalities, Lab visit , involved in NSS and Engaged in Swachh Bharat Abhiyan, etc.

48. Give details of “beyond syllabus scholarly activities” of the department.

Teaching, R &D related Company visited and involved in various activities departmental.

- Acting as adjudicator for evaluation of PhD thesis of other university
- Acting as Resource Person
- Referring of manuscripts
- Members in Editorial Board
- Members in Advisory Committee

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Review, Book and Book Chapter

Yes; Reviews written by faculties work as resource materials in other Universities.

Review

1. Tiwari K.L., Jadhav S.K., and Veenu Joshi (2011) An update review on medicinal herb genus *Spilenthesis*. *Journal of Chinese Integrative Medicine*, 09(11): 1170-1178.[F]

Book Chapter

1. Quraishi A (May, 2013) *In vitro* clonal propagation of forests trees: By bud culture technique. In: Modern Biotechnology and its Applications: Part 1. KK Behera (Ed.) New India Publishing Agency, New Delhi, pp 47-56 (ISBN: 9789381450833)[I]

Book

1. **Production of bioethanol from Mahua flower**”; 2011: Lambert Academic Publishing, Germany. ISBN 978-3-8433-9150, pp: 1-80. [F]
2. **Fungal Biodiversity of Hospital Area**; 2011 Lambert Academic Publishing, Germany. ISBN 978-3-8443-1733-6, pp; 1 - 304. [F]
3. **“Atmospheric Fungal Diversity of Chhattisgarh”** 2011 Lambert Academic Publishing, Germany. ISBN – 978-3-8454-3764-4 pp; 1- 296. [F]
4. **“Green Gold MineAzolla”** 2014 Lambert Academic Publishing, Germany. ISBN –978-3-659-54782-9 pp; 1- 91. [F]
5. **Golden Strides”2014** (Compilation of Ph.D. Awarded in Last Five Decades) Published

- by: Registrar, Pt. Ravishankar Shukla University, Raipur. pp; 1- 208.[I]
6. “**A Text Book in Bioprocess Engineering**” (Under Process) I.K. International Publication, New Delhi.
 7. SK Jadhav, S. Keshavkant & Afaque Quraishi (2013) Abstract Book: National Conference on Traditional Knowledge and Biotechnology, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur 492 010, November 22 - 24, 2013. [I]
 8. S. Keshavkant, Balram Sahu & Suruchi Parkhey (2013) Artificial Ageing Induced Metabolic Changes in *Cicerarietinum* Seeds: ROS catabolism, lipid peroxidation, protein carbonylation, nucleic acid integrity and antioxidants. Lambert Academic Publishing AG & Co, Saarbrucken, Germany (ISBN: 978-3-659-42682-7). [F]

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Department identified by the DST under FIST
- Research Citations/ Documentations in well-known and reputed Database
- Faculty engaged in Extra-mural Research Projects
- Good academic ambience and laboratory infrastructure

Weaknesses

- Not yet included in the DBT network
- Effective connectivity with industries

Opportunities

- International funding could be obtained
- Enormous scope to work on endemic medicinal plants

Challenges

- Development of expertise in the realm of Animal Biotechnology
- Strengthening of sophisticated instruments facilities

52. Future plans of the department.

- Efforts to bring institute in the national network
- Establishment of effective linkage with industries
- Strengthening of research infrastructure and outcome
- Development of expertise in Animal Biotechnology
- To explore the potential of medicinal and aromatic plants of the State

Evaluative Report of the Department

1. Name of the Department: School of Studies in Chemistry
2. Year of establishment: 1972
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Chemistry	1972
2.	M.Phil.	Research	Chemistry	2008
3.	Ph.D.	Research	Chemistry	1972

5. Interdisciplinary programs and departments involved

Program: Ph.D. – Chemistry

Department involved: Life Science - Biochemistry, Biotechnology, Pharmacy

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil.
- Semester - M.Sc. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Five-Year Integrated PG Program offered by the Center for Basic Sciences (CBS)

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	6
Associate Professor	4	3	1
Assistant Professor	5	4	1
Contract Teachers	-	-	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided in the last 5 Years	
					Ph.D.	M.Phil.
R Pande	Ph.D.	Professor	Physical-Organic Chemistry, QSAR and Drug Designing for Anti-Tumor/Anti-Cancer Activities	35	10(6)*	7
KS Patel (Humboldt Fellow)	Ph.D.	Professor	Analytical Chemistry, Environmental Chemistry	34	7(3)	4

KK Ghosh (JSPS Fellow & James Chair Visiting Fellow)	Ph.D.	Professor & Head	Physical Chemistry, Physical Organic Chemistry & Surface Chemistry	32	6(6)	5
SA Bhoite	Ph.D.	Professor	Physical Chemistry, Nuclear Chemistry, & Chemical Kinetics	30	4(2)	4
MK Deb (JSPS Fellow)	Ph.D.	Professor	Analytical Chemistry, Environmental Chemistry, Nanomaterial	22	4(6)	3
S Pervez (U.S. Fulbright Fellow)	Ph.D.	Professor	Physical Chemistry, Environmental Science, Air Quality Modelling	21	5(5)	4
MK Rai	Ph.D.	Associate Professor	Organic Chemistry, Environmental Chemistry	19	1(6)	3
ML Satnami (TWAS Fellow)	Ph.D.	Assistant Professor	Inorganic Chemistry, Physical Organic Chemistry, Nanomaterials	7	(6)	6
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

1. R.N. Prasad, 2013
2. D.C. Dash, 2013
3. Girjesh Govil, 2015

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc.	M.Phil.	Ph.D. (Course work)
2010-2011	-	-	-
2011-2012	-	-	-
2012-2013	-	-	-
2013-2014	20	15	15
2014-2015	20	-	15
2015-2016	20	15	15

14. Program-wise Student Teacher Ratio [1st + 3rd Semesters]

Session	M. Sc.	M.Phil.
2010-2011	9.5:1	1.25:1
2011-2012	9.13:1	1.25:1
2012-2013	9.63:1	1.25:1
2013-2014	9.37:1	1.12:1
2014-2015	10:1	NIL
2015-2016	11.25:1	0.87:1
Ph.D. - 6 research scholars (maximum) with each teacher		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	03	03	03
Administrative Staff	08	08	08

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Drug Design, Analytical Chemistry, Environmental Science, Toxicology, Surface Science and Micellar Catalysis,	UGC DRS-SAP Phase-I	2010-15
2.	Biogeo-Environmental Chemistry, Climate Change Nanochemistry, Detoxification of Chemical warfare Agents, Polycyclic Aromatic Hydrocarbons, Air quality	UGC DRS-SAP Phase-II	2015-20
3.	Environmental Chemistry, QSAR and Drug Designing, Surface Science & Interfacial Reactivity, Nanomaterials	DST-FIST, Level 1	2015-20

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR & \$ in Lac)
<i>Completed projects</i>				
R Pande	UGC, New Delhi	Lipophilicity and Molecular Descriptors of Hydroxamic Acids for Use in Drug Design	2007-2010	7.0
KK Ghosh	DRDO, New Delhi	Synthesis and Development of Novel Oxime Reactivators of Cholinesterases Inhibited by Organophosphorus Toxicants	2012-2015	40.13
KK Ghosh	CSIR, New Delhi	Study of Enzymatic Hydrolysis of Carboxylate and Phosphate Esters in Micelles	2007-2011	11.58
KK Ghosh	UGC, New Delhi	Studies on Physicochemical and Thermodynamic Properties of Some Gemini Surfactants	2009-2011	10.50
S Pervez	DST, New Delhi	Source Apportionment of Classified Atmospheric Dust Fraction: Study of Selected Receptor Models	2011-2014	51.00
ML Satnami	DST (SERB), New Delhi (Fast Track for Young Scientist)	O-Nucleophilicity of Hydroxamic Acids: Esterolytic Cleavage of Some Simulants of Chemical Warfare Agents and Organophosphorus Pesticides	2012-2015	26.48
<i>Ongoing projects</i>				
R Pande	UGC, New Delhi	One Time Research Grant Scheme	2014-2016	7.00
KK Ghosh	UGC, New Delhi	Micellar, Interfacial and Spectroscopic Studies of Antidepressant- Drug-Surfactant Systems	2015-2018	14.50
KK Ghosh	CCOST, Raipur	Studies on Interaction of Surfactants And Surfactants Mixtures With Serum Albumin Proteins	2015-2018	5.00

KK Ghosh	CSIR, New Delhi	Solubilization of Polycyclic Aromatic Hydrocarbons Using Novel Surfactant Mixtures	2012-2016	23.12
MK Deb	DST (SERB), New Delhi	A Novel Hyphenated Single Drop Micro Extraction – Diffuse and Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy (SDME-DRS/ATR-FTIR) Technique for Analysis of Multiatomic Metaloxy Anions	2013-2016	33.20
ML Satnami	CCOST, Raipur	Heterolytic Cleavage of Organophosphorous Pesticides by Oximate and Hydroximate ion in self-Organised assemblies.	2015-2017	5.00

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	All India Institute of Medical Sciences, Raipur	For Laboratory Facilities	-	2015-
National	DRDE Gwalior and CDRI Lucknow	MOU	-	2013-2017
National	Univ. Studi di Brescia, Italy	MOU	15.00	2012-2017
International	KING FAHAD University of Petroleum and Minerals DHAHRAN-SAUDI ARABIA	SABIC/FAST TRACK	SR. 105,303	2014-2015
International Indian Co-Investigator/consultant: S Pervez	Desert Research Institute, Reno, NV, USA	NASA ROSES: Glory Science Team	\$4.83	2011-2014
International Indian Co-Investigator/consultant: S Pervez	Desert Research Institute, Reno, NV, USA	NASA EPSCoR Through Nevada System of Higher Education	\$11.25	2010-2014
International Indian Co-Investigator/consultant: S Pervez	Desert Research Institute, Reno, NV, USA	DRI EVPR Research Enhancement Program	\$ 0.20	2011-2013
National	NCNR*	DST, New Delhi	905.0	2012-2017
* Institutional project with the participation of the five departments				

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No.	Funding Agency	Program	Period	Amount (INR in Lac)
<i>Current; in the period of assessment: 2010-2015</i>				
1	UGC, New Delhi	DRS-SAP- DRS-I	2010-15	40.00
2	DST, New Delhi	DST-FIST	2015-20	165.00
3	UGC, New Delhi	UGC- SAP- DRS II	2015-20	128.00
			Total INR:	333.00

20. Research facility/ centre with:

a)	State recognition	CCOST
b)	National recognition	UGC-SAP, DST-FIST
c)	International recognition	NASA, DRI

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number				Average
	SCOPUS		NON-SCOPUS		SCOPUS
	National	International	National	International	
o Number of papers published in peer reviewed journals (national/ international)	11	114	1	55	15.62/ faculty
o Monographs	-				
o Chapters in Books	02				
o Edited Books	-				
o Books with ISBN with details of publishers	04				
1. Antioxidant Activity of N-Arylhydroxamic Acid, by Pande R, Khare D and Verma B (12 March 2013) ISBN-978-3-659-18246-4 LAP Lambert Academic Publishing					
2. Evaluation of Aqueous Solubility of Hydroxamic Acids by Pls Modelling, by Pande R, Patre S and Thakur PK (25 April 2013) ISBN-978-3-659-30834-5 LAP Lambert Academic Publishing					
3. Hydrophobic Parameters of Biomolecules: Hydroxamic Acids, by Pande R, Singh P and Thakur PK (20 March 2014) LAP Lambert Academic Publishing					
4. Partition Equilibrium and Lipophilicity of Hydroxamic Acids, by Pande R, Khare D and Singh P (20 July 2013) ISBN-978-3-659-43035-0 LAP Lambert Academic Publishing					
5. New Trends in Supramolecular Chemistry: Chapter 15“ Design and Reactivity of Alpha Nucleophiles for Decontamination Reactions : Relevance to Functionalized Surfactants “ by Singh N, Karpichev Y, Kuca K, Ghosh KK, 2014 ISBN-978-966-317-208-8 DONETSK East Publisher House 2014					

6. Nutraceuticals: Chapter 39, Thymoquinone by Gupta B., Ghosh K K, Gupta R. ISBN No. 978-0-12-802147-7 Elsevier (In Press)			
○ Number listed in International Database (For <i>e.g.</i> , Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) SCOPUS –h-Index (21); Citations (2395) GOOGLE SCHOLAR – 181; h-Index (21); i10- Index –(124); Since 2010 (80); Citations (2270)	SCOPUS	Google Scholar	
	125	181	
○ Citation Index – range/ average [Google Scholar]	1 – 181		Median: 91
○ Total citation [SCOPUS/ Google Scholar]	SCOPUS: 2395 Google Scholar: 3796		
○ SNIP	See table below		
○ SJR	See table below		
○ IPP	See table below		

Journals	SJR	IPP	SNIP
Atmospheric Chemistry and Physics	3.022	5.6	1.574
Atmospheric Environment	1.431	3.406	1.537
Organic and Biomolecular Chemistry	1.227	3.380	0.885
Journal of Physical Chemistry B	1.285	3.263	1.113
Air Quality, Atmosphere & Health	0.622	1.636	0.714
Journal of Molecular Liquids	0.565	2.270	1.104
Archives of Toxicology	1.280	4.344	1.481
Journal of Chemical Thermodynamics	1.143	2.598	1.302
Journal of Physical Organic Chemistry	0.478	1.222	0.575
Indian Journal of Chemistry	0.280	0.814	0.477
Aerosol and Air Quality Research		2.87	
Atmospheric Pollution Research		1.59	
Environmental Geochemistry and Health		1.60	
Environmental Monitoring and Assessment		1.4	

○ Impact Factor – range/ average	0.259 – 5.98		1.21
○ h-index [SCOPUS/ Google Scholar]	Faculty	SCOPUS	Google Scholar
	R Pande	7	6
	KS Patel	10	15
	KK Ghosh	15	17
	MK Deb	11	14
	S Pervez	8	10
	SA Bhoite	1	2
	MK Rai	6	7
ML Satnami	10	11	

Publications of Faculty in indexed Journals Retrieved from www.scopus.com (JIF: 2014 from <http://www.bioxbio.com>)

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

R Pande

1. Saria, A., & Pande, R. (2015). Viscosity behaviour and excess thermodynamic function of hydroxamic acid in benzene, chlorobenzene and toluene. **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 6(3), ISSN: 0975-8585. [F] [JIF: 0.35]

2. Khilari, R., Thakur, Y., Pardhi, M., & Pande, R. (2015). RNA-binding efficacy of n-phenylbenzohydroxamic acid: an in-vitro and in-silico approach. **Nucleosides, Nucleotides and Nucleic Acids**, 34, 332-347. [F] [JIF: 1.018]
3. Singh, P., Khare, D., & Pande, R. (2014). Evaluation of antioxidant activity and DNA cleavage protection effect of naphthyl hydroxamic acid derivatives through conventional and fluorescence microscopic methods. **Chemical Papers**, 68(10); 1298-1304. [F] [JIF: 1.193]
4. Verma, B., Pardhi, M., & Pande, R. (2014). Experimental and computational study of binding interaction of alkoxy derivatives of N-Aryl hydroxamic acids with DNA. **International Journal of Pharmacy and Pharmaceutical Sciences**, 6 (9), 170-174. [F] [JIF: 0.91]
5. Thakur, P., Patre, S., & Pande, R. (2013). Thermophysical and excess properties of hydroxamic acids in DMSO. **Journal of Chemical Thermodynamic**, 58, 226-236. [F] [JIF: 2.423]
6. Yadav, S.S., Khare, D., & Pande, R. (2013). Studies on molecular interaction parameters of hydroxamic acids at different temperatures in DMA. **Journal of Molecular Liquids**, 177, 243-251. [F] [JIF: 2.083]
7. Khare, D., Verma, B., & Pande, R. (2012). Antioxidant activity of N-Phenylbenzohydroxamic acid. **Asian Journal of Pharmaceutical & Clinical Research, Academic Sci.**, 5. [F] [JIF: 0.70]
8. Yadav, S.S., Pande, R., Khare, D., & Tripathi, M. (2012). Volumetric and steric properties of hydroxamic acids in ethanol at different temperature. **Journal of Chemical Thermodynamic**, 54, 76-82. [F] [JIF: 2.423]
9. Khare, D., & Pande, R. (2012). Experimental and molecular docking studies on DNA binding affinity of N- Phenylbenzohydroxamic acid. **Der Pharma Chemica**, 4, 66-75. [F] [JIF: 0.91]
10. Patre, S., Thakur, P., & Pande, R. (2012). Steric Parameters and Excess Properties of Hydroxamic acids. **J. Chem. Thermo**, 54, 118-128. [F] [JIF: 2.423]

KS Patel

1. Patel, K. S., Sharma, R., Sahu, B. L., Patel, R. K., & Matini, L. (2014). Groundwater quality of Rajnandgaon city, India. **Asian Journal of Water, Environment & Pollution**, 11(3), 31-37. [F] [JIF:0.344]
2. Giri, B., Patel, K. S., Jaiswal, N. K., Sharma, S., Ambade, B., Wang, W, Simonich, S. L. M., & Simoneit, B. R. T. (2013). Composition and sources of organic tracers in aerosol particles of industrial central India. **Atmospheric Research**, 120-121, 312-324. [F] [JIF: 2.84]

KK Ghosh

1. Singh, N., Karpichev, Y., Sharma, R., Gupta, B., Sahu, A. K., Satnami, M. L., & Ghosh, K. K. (2015). From α -Nucleophiles to Functionalized Aggregates: Exploring the Reactivity of Hydroxamate Ion towards Esterolytic Reactions in Micelles. **Org. Biomol. Chem.**, 13, 2827-2848. [F] [JIF:3.562]
2. Singh, N., Karpichev, Y., Tiwari, A. K., Kuka, K., & Ghosh, K. K. (2015). Oxime Functionality in Surfactant Self assembly: An Overview on Combating Toxicity of Organophosphates. **Journal of Molecular Liquids**, 208, 237-252. [F] [JIF: 2.08]
3. Sahu, A. K., Gupta, B., Sharma, R., Singh, Y., Musilek, K., Kuca, K., Ghosh, K. K. (2015). Kinetic And Physicochemical Analysis of Structurally Different Bis-Pyridinium Oximes Against Pesticides Inhibited Ache. **Ind. J. Chem. Sec A**, 54A, 40-45. [I] [JIF: 0.85]
4. Yadav, T., Tikariha, D., Lakra, J., Satnami, M.L., Tiwari, A.K., Saha, S. K., & Ghosh, K. K. (2015). Solubilization of Polycyclic Aromatic Hydrocarbons in Structurally Different Gemini and Monomeric Surfactants: A Comparative Study. **J. Mol. Liq.**, 204, 216-221. [F] [JIF: 2.08]
5. Verma, S. K., Ghosh, K. K., Verma, R., Xiang, W., Li, N., & Zhao X. (2015). Surface, Conformational and catalytic activity approach of α -chymotrypsin and trypsin in micellar media. **Colloids Surf. A: Physicochem Eng. Aspects**, 470, 188-193. [F] [JIF: 2.75]
6. Sinha, S., Tikariha, D., Lakra, J., Tiwari, A. K., Saha, S.K., & Ghosh, K. K. (2015). Effect of Polar Organic Solvents on Self-Aggregation of Some Cationic Monomeric and

- Dimeric Surfactants. **J. Surf. Deterg.**, 10.1007/s11743-015-1686-6. [F] [JIF: 1.68]
7. Gupta, B., Sharma, R., Singh, N., Kuca, K., Acharya, J. R., Ghosh, K. K. (2014). In-Vitro Reactivation Kinetics of Paraoxon and DFP Inhibited Electric eel AChE Using Mono- and Bis-Pyridinium Oximes. **Archives of Toxicolog.**, 88,381-390. [F] [JIF: 5.98]
 8. Sharma, R., Gupta, B., Acharya, J. R., Kaushik, M. P., Ghosh, K. K. (2014). Interactions between xylene-linked carbamoyl bis-pyridiniummono-oximes and organophosphates inhibited-AChE: A kinetic study. **Toxicology**, 316, 1-8. [F] [JIF: 3.81]
 9. Kumar, B., Tikariha, D., Ghosh, K. K. (2014). Reactivity of N-benzoyl-N-phenylhydroxylaminein Cationic Micellar Media for the Cleavage of Carboxylate and Phosphate Esters. **J. Mol. Liquids**, 193, 243-248. [F] [JIF: 2.08]
 10. Lakra, J., Tikariha, D., Yadav, T., Ghosh, S., Satnami, M. L., Ghosh, K. K. (2014). Mixed Micellization of Gemini & Cationic Surfactants: Physico-chemical Properties & Solubilization of Polycyclic Aromatic Hydrocarbons. **Colloids Surf. A: Physicochem Eng. Aspects**, 451, 56-65. [F] [JIF: 2.83]
 11. Kumar, B., Tikariha, D., Satnami, M. L., Barbero, N., Quagliotto P., & Ghosh, K. K. (2014). Catalytic hydrolysis of phosphodiester by nucleophilic ions in geminimicellar media. **J. Phy. Org. Chem.**, 27, 613-621. [F] [JIF: 1.38]
 12. Gupta, B., Singh, N., Sharma, R., Foretic, B., Musilek, K., Kuca, K., Acharya, J., Satnami, M.L., Ghosh, K. K. (2014). Assessment of Antidotal Efficacy of Cholinesterase Reactivators Against Paraoxon: In Vitro Reactivation Kinetics and Physicochemical Properties. **Bioorganic & Medicinal Chemistry Letters**, 24, 4743-4748. [F] [JIF: 2.79]
 13. Gupta, B., & Ghosh, K. K. (2013). Evaluation of biological efficiency of oxime based reactivators against organophosphate inhibited AChE: An *in vitro* study. **Toxicol. Lett.**, 221, S147-S148. [F] [JIF: 3.26]
 14. Sharma, R., & Ghosh, K. K. (2013). Kinetic studies of cholinesterase reactivators with organophosphate inhibited AChE. **Toxicol. Lett.**, 221, S152-S153. [F] [JIF: 3.26]
 15. Kumar, B., Tikariha, D., Ghosh, K.K., Barbero, N., & Quagliotto, P. (2013). Effect of Polymers and Temperature on critical micelle concentration of some Gemini and monomeric surfactants. **J. Chem. Therm.**, 62, 178-185 [F] [JIF: 2.67]
 16. Singh, N., Karpichev, Y., Gupta, B., Satnami, M. L., Marek, J., Kuca, K., & Ghosh, K. K. (2013). Physicochemical Properties and Supernucleophilicity of Oxime Functionalized Surfactants: Hydrolytic Catalysts Towards Dephosphorylation of Di- and Tri-phosphate Esters. **J. Phy. Chem. B**, 117, 3806-3817. [F] [JIF: 3.30]
 17. Verma, S. K., & Ghosh, K. K. (2013). Activity, Stability and Kinetic Parameters for α -chymotrypsin catalyzed reactions in AOT/isooctane reverse micelles with non-ionic and zwitterionic surfactants. **J. Chem. Sci.**, 125, 875-882. [F] [JIF: 1.19]
 18. Kumar, B., Tikariha, D., Ghosh, K. K., Barbero, N., Quagliotto, P. (2013). Kinetic Study on Effect of Novel Cationic Dimeric Surfactants for the Cleavage of Carboxylate Ester. **J. Phys. Org. Chem.**, 26, 626-631. [F] [JIF: 1.38]
 19. Gupta, B., Sharma, R., Singh, N., Karpichev, Y., Satnami, M. L., & Ghosh, K. K. (2013). Reactivity Studies of Carbon. Phosphorus and Sulphur Based Acyl Studies with Tertiary Oximes in Gemini Surfactants. **J. Phys. Org. Chem.**, 26, 632-642. [F] [JIF: 1.38]
 20. Lakra, J., Tikariha, D., Yadav, T. Satnami, M. L., Ghosh, K. K. (2013). Study of Solubility Efficiency of Polycyclic Aromatic Hydrocarbons in Pure Surfactant System. **J. Surf. Deterg.**, 16, 957-966. [F] [JIF: 1.68]
 21. Gupta, B., Sharma, R., Singh, N., Karpichev, Y., Satnami, M. L., & Ghosh, K. K. (2013) Reactivity Studies of Carbon. Phosphorus and Sulphur Based Acyl Studies with Tertiary Oximes in Gemini Surfactants. **J. Phys. Org. Chem.**, 26, 632-642. [F] [JIF: 1.38]
 22. Lakra, J., Tikariha, D., Yadav, T., Satnami, M. L., Ghosh, K. K. (2013). Study of Solubility Efficiency of Polycyclic Aromatic Hydrocarbons in Pure Surfactant System. **J. Surf. Deterg.**, 16, 957-966. [F] [JIF: 1.68]
 23. Kumar, B., Tikariha, D., & Ghosh, K. K. (2012). Effects of Electrolytes on Micellar and Surface Properties of alkyldiethylethanolammonium Bromide Surfactants. **J. Disp. Sci. Technol.**, 33, 265-271. [F] [JIF: 0.79]
 24. Singh, N., Ghosh, K.K., Marek, J. & Kuca, K. (2012). Effect of Some Pyridinium

- Based Compounds on Hydrolysis of Carboxylate Ester. **Indian J. Chem. Sec. B**, 51B, 611-616. [I] [JIF: 0.38]
25. Kumar, B., Tikariha, D., Ghosh, K. K., & Quagliotto, P. (2012). Effect of Short Chain Length Alcohols on Micellization Behavior of Cationic Gemini and Monomeric Surfactant. **J. Mol. Liquids**, 172, 81–87. [F] [JIF: 2.51]
 26. Tikariha, D., Singh, N., Satnami, M.L., Ghosh, K.K., Quagliotto, P., & Barbero, N. (2012). Physicochemical Characterization of Cationic Gemini Surfactants and Their Effect on Reaction Kinetics in Ethylene Glycol-Water Medium, **Colloids Surf. A: Physicochem. Eng. Aspects**, 411, 1-11. [F] [JIF: 2.75]
 27. Kumar, B., Satnami, M.L., Ghosh, K.K., & Kuca, K. (2012). Comparative studies on reaction of bis(*p*-nitrophenyl) phosphate and α -nucleophiles in cationic micellar media. **J. Phys. Org. Chem.**, 25, 864-871. [F] [JIF: 1.38]
 28. Verma, S. K., & Ghosh, K. K. (2011). Micellar and Surface Properties of Some Monomeric and Gemini Surfactants. **J. Surf. Deterg.** 14, 347-352. [F] [JIF: 1.68]
 29. Verma, S. K., & Ghosh, K. K. (2011). Effect of Cationic Surfactants on the Enzymatic Activity of α -Chymotrypsin. **Kinet. Catal.**, 52, 6-10. [F] [JIF: 0.67]
 30. Kumar, B., Ghosh, K. K., & Dafonte, P. R. (2011). Comparative Study of the Cationic Surfactants and their Influence on the Alkaline Hydrolysis of Acetylsalicylic Acid. **Int. J. Chem. Kinetics.**, 43, 1-8. [F] [JIF: 1.51]
 31. Kumar, B., & Ghosh, K. K. (2011). Effects of Anionic Surfactants on the Kinetics of Acidic Hydrolysis of Acetohydroxamic Acid. **J. Indian Chem. Soc.**, 88, 193-197. [I] [JIF: 0.25]
 32. Tikariha, D., Ghosh, K. K., Quagliotto, P., & Ghosh, S. (2011). Micellization Properties of Mixed Cationic Gemini and Cationic Monomeric Surfactants in Aqueous-Ethylene Glycol Mixture. **Colloids Surf. A: Physicochem. Eng. Aspects**, 381, 61-69. [F] [JIF: 2.75]
 33. Singh, N., & Ghosh, K. K. (2011). Micellar Characteristics and Surface Properties of Some Sufobetaine Surfactants. **Tenside Surfactants Detergents**, 48 160-164. [F] [JIF: 0.73]
 34. Tikariha, D., Kumar, B., Singh, N., Ghosh, K. K., & Quagliotto, P. (2011). Micellization Behavior of Cationic Dimeric Surfactants in Aqueous-Ethylene Glycol Solution. **J. Surf. Deterg.** 14, 555-562. [F] [JIF: 1.68]
 35. Singh, N., Ghosh, K. K., Marek, J., & Kuca, K. (2011). Hydrolysis of Carboxylate and Phosphate Ester Using Monopyridinium Oximes in Cationic Micellar Media. **Int. J. Chem. Kinetics.**, 43, 523-597. [F] [JIF: 1.51]
 36. Tiwari, S., Ghosh, K. K., Marek, J., & Kuca, K. (2010). Functionalized Surfactant Mediated Reactions of Carboxylate, Phosphate and Sulphonate Esters. **J. Phys. Org. Chem.**, 23, 519-525. [F] [JIF: 1.38]
 37. Tiwari, S., Ghosh, K. K., Marek, J., & Kuca, K. (2010). Spectrophotometric Determination of the Acidity Constants of Some Oxime Based α -Nucleophiles. **J. Chem. Eng. Data.**, 55, 1153-1157. [F] [JIF: 2.03]
 38. Tikariha, D., & Ghosh, K. K. (2010). Micellization of Cetyldiethylethanol Ammonium Bromide in Mixed Aqueous Organic Solvents. **J. Disp. Sci. Technol.**, 31, 1249-1253. [F] [JIF: 0.79]
 39. Tikariha, D., Ghosh, K. K., & Quagliotto, P. (2010). Micellization of Gemini Surfactants in Polymer Solutions. **Tensides Surfactants Detergents**, 47, 162-167. [F] [JIF: 0.73]
 40. Tiwari, S., Ghosh, K. K., Marek, J., & Kuca, K. (2010). Cationic Micellar Catalyzed Hydrolysis of Pesticide Fenitrothion using α -Nucleophiles. **Letters in Drug Design Discovery**, 7, 194-199. [F] [JIF: 0.77]
 41. Kuca, K., Musilck, K., Jun, D., Pohanka, M., Ghosh, K. K., & Hrabnova, M. (2010). Oxime K027- Novel Candidate for the Universal Reactivator of Nerve Agent and Pesticides Inhibited Acetylcholinesterase. **J. Enzyme Inhibition Med. Chem.**, 25, 509-512. [F] [JIF: 2.38]
 42. Tikariha, D., Ghosh, K. K., Quagliotto, P., & Ghosh, S. (2010). Mixed Micellar Properties of Cationic Monomeric and Gemini Surfactants. **J. Chem. Eng. Data**, 55, 4162-4167. [F] [JIF: 2.03]
 43. Verma, S. K., & Ghosh, K. K. (2010). α -Chymotrypsin Catalyzed Hydrolysis of *p*-Nitrophenyl Acetate in Cationic Microemulsions. **Colloids Surf A: Physicochem. Eng. Asp.**, 368, 154-158. [F] [JIF: 2.75]

44. Verma, S. K. & Ghosh, K. K. (2010). Catalytic Activity Of Enzyme in Water/Organic Cosolvent Mixtures for the Hydrolysis of *p*-Nitrophenyl Acetate and *p*-Nitrophenyl Benzoate. **Indian Journal of Chemistry**, 49A (8), 1041-1046. [I] [JIF: 0.85]
45. Satnami, M. L., Dhritlahre, S., Nagwanshi, R., Karbhal, I., Ghosh, K. K., & Nome, F. (2010). Nucleophilic Attack of Salicyl-hydroxamate Ion at C=O and P=O Centre in Cationic Micellar media. **J. Phys. Chem. B**, 114, 16759-16765. [F] [JIF: 3.30]

MK Deb

1. Nirmalkar, J., Deshmukh, D. K., Deb, M. K., Tsai, Y.I. & Sopajaree, K. (2015). Mass loading and episodic variation of molecular markers in PM 2.5 aerosols over a rural area in eastern central India. **Atmospheric Environment**, 117, 41-50. [F] [JIF: 3.281]
2. Nirmalkar, J. & Deb, M. K. (2015). Impact of intense field burning episode on aerosol mass loading and its possible health implications in rural area of eastern central India. **Air Quality, Atmosphere & Health**, 1-9, [F] [JIF: 1.804]
3. Nirmalkar, J., Deb, M. K., Deshmukh, D. K., Tsai, Y. I., & Verma S. K. (2015). Molecular markers in ambient aerosol in the Mahanadi Riverside Basin of eastern central India during winter. **Environ. Sci. and Poll. Res.** © Springer, 22 (2), 1220-1231. [F] [JIF: 2.828]
4. Sen, B. K., Deshmukh, D. K., Deb, M. K., Verma, D. & Pal, J. (2014). Removal of Phenolic Compounds from Aqueous Phase by Adsorption onto Polymer Supported Iron Nanoparticles. **Bull. Environ. Contam. and Toxicol.**, 93 (5), 549-554, [F] [JIF: 1.255]
5. Pal, J. & Deb, M. K. (2014). Efficient adsorption of congo red dye from aqueous solution using green synthesized coinage nanoparticles coated activated carbon beads. **Applied Nanoscience**, 4 (8), 967-978, [F]
6. Pal, J., & Deb, M.K. (2014). Microwave green synthesis of PVP stabilized gold nanoparticles and their adsorption behavior for methyl orange. **J. Experim. Nanosci.**, 2014, 9, 432-443, [F] [JIF: 0.981]
7. Pal, J. & Deb, M.K. (2014). Microwave-assisted synthesis of platinum nanoparticles and their catalytic degradation of methyl violet in aqueous solution. **Applied Nanoscience**, 4, 61-65, [F]
8. Deshmukh, D.K., Deb, M. K., Verma, D. & Nirmalkar, J. (2013). Seasonal Air Quality Profile of Size-Segregated Aerosols in the Ambient Air of a Central Indian Region. **Bull. Environ. Contam. and Toxicol.**, 91 (6), 704-710, [F] [JIF: 1.255]
9. Pal, J., Deb, M. K. & Sircar, J. K. (2013). Green synthesis of Au/AgNPs and their photodegradation of organic dyes in aqueous solution. **J. Ind. Chem. Soc.**, 90 (11), 2115-2120, [I] [JIF: 0.173]
10. Pal, J. & Deb, M.K. (2013) Efficient sorption of basic organic dyes from aqueous solution using green synthesized silver nanoparticles beads. **J. Dispersion Sci. Tech.**, 34, 1193-1201, [F] [JIF: 0.795]
11. Nirmalkar, J., Deb, M. K., Deshmukh, D. K. & Verma, S. K. (2013). Mass Loading of Size-Segregated Atmospheric Aerosols in the Ambient Air During Fireworks Episodes in Eastern Central India. **Bulletin of Environmental Contamination and Toxicology**, 90, 434-439, [F] [JIF: 1.255]
12. Pal, J., Deb, M.K., Deshmukh, D.K. & Verma, D. (2013). Removal of methyl orange by activated carbon modified by silver nanoparticles. **Applied Water Sci.**, 3, 367-374, [F]
13. Deshmukh, D. K., Deb, M. K. & Mkombe, S. L. (2013). Size distribution and seasonal variation of size-segregated particulate matter in the ambient air of Raipur city, India. **Air Quality, Atmosphere & Health** 6 (1), 259-276, [F] [JIF: 1.804]
14. Deshmukh, D.K., Deb, M.K., Suzuki, Y. & Kouvarakis, G. N. (2013). Water-soluble ionic composition of PM_{2.5-10} and PM_{2.5} aerosols in the lower troposphere of an industrial city Raipur, the eastern central India. **Air Quality, Atmosphere & Health**, 6 (1), 95-110, [F] [JIF: 1.804]
15. Pal, J. & Deb, M.K. (2012) Microwave synthesis of biopolymer stabilized silver nanoparticles and their adsorption behavior for atrazine. **J. Experim. Nanosci.**, DOI 10.1007/s13201-014-0179-5, [F] [JIF: 1.04]
16. Deshmukh, D. K., Deb, M. K., Tsai Y. I., & Mkombe, S. L. (2012). Characteristics of dicarboxylates associated with inorganic ions in urban PM₁₀ aerosols in the eastern central India. **Aerosol and Air Quality Research**, 592-607, [F] [JIF: 2.094]
17. Deshmukh, D. K., Deb, M. K., Hopke, P.K. & Tsai, Y. I. (2012). Seasonal characteristics of water soluble dicarboxylates associated with PM₁₀ in the urban

- atmosphere of Durg city, India. **Aerosol Air Qual. Res.**,12, 683-696, [F] [JIF: 2.094]
18. Deshmukh, D. K., Tsai, Y. I., Deb, M. K. & P. Zampas (2012). Characteristics and Sources of Water-Soluble Ionic Species Associated with PM₁₀ Particles in the Ambient Air of Central India. **Bull. Environ. Contam. Toxicol**, 89, 1091–1097, [F] [JIF: 1.255]
 19. Deshmukh, D. K., Deb, M. K., Verma, D., Verma, S. K. & Nirmalkar, J. (2012). Aerosol Size Distribution and Seasonal Variation in an Urban Area of an Industrial City in Central India. **Bulletin of Environmental Contamination and Toxicology**, 89, 1098-1104, [F] [JIF: 1.255]
 20. Deshmukh, D., Deb, M.K., Tsai, Y.I. & S. Mkoma (2011). Water soluble ions in PM 2.5 and PM1 aerosols in Durg city, Chhattisgarh, India. **Aerosol Air Qual. Res.**, 11 696-708, [F] [JIF: 1.804]
 21. Verma, D. & Deb, M.K. (2012). Determination of vanadium employing a new combined single drop micro-extraction and diffuse reflectance Fourier transform infrared spectroscopy technique. **Intern. J. Environ. Anal. Chem.**,92, 57-75, [F] [JIF: 1.295]
 22. Deshmukh, D. K., Deb, M. K., Tsai, Y. I. & Mkoma, S. L. (2011). Water soluble ions in PM_{2.5} and PM₁ aerosols in Durg city, Chhattisgarh, India. **Aerosol Air Qual. Res.**, 11, 696-708, [F] [JIF: 2.094]
 23. Deshmukh, D.K., Deb, M. K., Tsai, Y. I. & Mkoma, S. L. (2010). Atmospheric ionic species in PM_{2.5} and PM₁ aerosols in the ambient air of eastern central India. **J. Atmospheric Chem.** 66 (1-2), 81-100, [F] [JIF: 1.950]

S Pervez

1. Pervez, S., Chakrabarty, R., Dewangan, S., Watson, J. G., Chow, J. C., Matawle, J. L., & Pervez Y. (2015). Cultural and Ritual Burning Emission Factors and Activity Levels in India. **Aerosol and Air Quality Research**, 15, 72-80. [F] [JIF: 2.8]
2. Tiwari, S., Pipal, A. S., Hopke, P. K., Bisht, D. S., Srivastava, A. K., Tiwari, S., Saxena, P. N., Khan, A. H., & Pervez, S. (2015). Study of the carbonaceous aerosol and morphological analysis of fine particles along with their mixing state in Delhi, India: a case study. **Environmental Science and Pollution Research**, DOI 10.1007/s11356-015-4272-6. [F] [JIF: 2.828]
3. Matawle, J. L., Pervez, S., Dewangan, S., Tiwari, S., Bisht, D. S. & Pervez Y. F. (2014). PM_{2.5} Chemical Source Profiles of Emissions Resulting from Industrial and Domestic Burning Activities in India. **Aerosol and Air Quality Research**, 14, 2051-2066. [F] [2.8]
4. Pervez, S., Dewangan, S., Chakrabarty, R., & Zielinska, B. (2014). Indoor VOCs from Religious and Ritual Burning Practices in India. **Aerosol and Air Quality Research**, 14, 1418-1430. [F] [JIF: 2.8]
5. Chakrabarty, R., Pervez, S., Chow, J. C., Watson, J. G., Dewangan, S., Robles, J., & Tian, G. (2014). Funeral Pyres in South Asia: Brown Carbon Aerosol Emissions and Climate Impacts. **Environmental Science and Technology Letters**, 1, 44-48. [F] [JIF: 5.3]
6. Pervez, S., Chakrabarty, R., Dewangan, S., Watson, J. G., Chow, J. C., Matawle, J. L., & Pervez, Y. (2014). Cultural and Ritual Burning Emission Factors and Activity Levels in India. **Aerosol and Air Quality Research**, 15, 72-80. [F] [JIF: 2.8]
7. Dewangan, S., Pervez, S., Chakrabarty, R. & Zielinska, B. (2014). Uncharted Sources of Particle Bound Polycyclic Aromatic Hydrocarbons from South Asia: Religious/ritual Burning Practices. **Atmos. Pollution Res**, 5, 283-291. [F] [JIF: 1.3]
8. Dewangan, S., Chakrabarty, R., Zielinska, B., Pervez, S. (2013). Emission of volatile organic compounds from religious and ritual activities in India. **Environ Monit Assess**, 185, 9279-9286. [F] [JIF: 1.6]
9. Gurugubelli, B., Pervez, S., & Tiwari, S. (2012). Characterization and Spatiotemporal Variation of Urban Ambient Dust Fallout in Central India. **Aerosol & Air Quality Research**, doi: 10.4209/aaqr.2012.06.0141. [F] [JIF: 2.8]
10. Pervez, S., Dubey, N., Watson, J. G., Chow, J., & Pervez, Y. (2012). Impact of Different Household Fuel Use on Source Apportionment Results of House-Indoor RPM in Central India. **Aerosol and Air Quality Research**, 12, 49-60. [F] [JIF: 2.8]
11. Balakrishna, G., Pervez, S., & Bisht, D. S. (2011). Source apportionment of arsenic in atmospheric dust fall out in an urban residential area, Raipur, Central India. **Atmospheric Chemistry and Physics**, 11, 5141-5151. [F] [JIF: 5.6]

12. Pervez S., Koshle A., & Pervez Y. (2010). Study of spatiotemporal variation of atmospheric mercury and its human exposure around an integrated steel plant, India. **Atmospheric Chemistry and Physics Discussion**, 10, 5535-5549. [F] [JIF: 5.6]

SA Bhoite

1. Yadav, H., & Bhoite, S. A. (2015). Hydrolysis of di-2-methoxy-4-nitro aniline phosphate in buffer media. **International J. of chem. Tech Research**, 7(6), 2731-2737. [F]
2. Gupta, M. K., Yadav H., Bhoite, S. A. (2015). In vitro antibacterial activity of phosphate esters screened by broth dilution assay method. **International J. of Pharmacy & Pharmaceutical Sciences**, 7(8), 267-272. [F] [JIF: 1.59]
3. Yadav, H., Gupta, M. K., & Bhoite S. A. (2014). Kinetic study of Mono-N-ethyl-o-toluidine Phosphate in Buffer Medium. **International J. Chem. Sci.**12(3), 993-1000. [F] [JIF: 0.078]
4. Gupta, M. K., & Bhoite, S. A. (2014). A Kinetic and Mechanistic Study of Hydrolysis of Mono-6-Chloro-2, 4-Dinitroaniline Phosphate in Buffer Medium. **International Journal of Chem Tech Research**, 6 (7), 3889-3895. [F]
5. Gupta M. K., Bhoite, S. A., & Jadhav, S. K. (2014). Evaluation of Antibacterial Activity of Phosphate Esters by Well Diffusion Method. **World Journal of Pharmaceutical Research**, 3 (8), 420-428. [F] [JIF: 5.990]
6. Bairagi, B., Singh, A. K., & Bhoite, S. A. (2014). Micellar effect on hydrolysis of 4-methyl-2-nitroaniline phosphate. **Colloid Journal**, 76 (6), 765-773. [F] [JIF: 0.789]
7. Bhoite, S. A., Choure, N., Gupta, B., & Verma, J. (2012). Mineral acid catalyzed hydrolysis of synthesized organic phosphate esters. **J. Indian chem. Soc.**, 89, 1179-1182. [I] [JIF: 0.173]
8. Banjara, R. A., Jadhav, S. K., & Bhoite, S. A. (2012). Antibacterial activity of di-2-ethylaniline phosphate screened by paper disc diffusion method. **J. Applied Pharmaceutical Science**, 02 (07), 230-233. [F]
9. Bairagi, B., & Bhoite, S. A. (2012). Kinetic study of mono-3-chloro-2-methylaniline phosphate in buffer medium. **International J. Chem. Tech. Research**, 4 (4), 1485-1489. [F]
10. Awadhiya, P., & Bhoite, S. A. (2011). Kinetic Study of Hydrolysis of mono-2-methyl-5-nitroaniline phosphate. **International Journal of Chem. Tech. Research**, 3(4), 1751-1757. [F]
11. Bairagi, B., Banjara, R. A., Bhoite, S. A. (2011). Kinetics of hydrolysis of mono-4-methyl-2-nitroaniline phosphate ester in buffer medium. **International J. Pharm. Tech. Research**, 3(4), 2011-2016. [F]
12. Choure, N., & Bhoite S. A. (2010). Synthesis and kinetic study of hydrolysis of di-2-chloroaniline phosphate ester in acidic medium. **International Journal of Chemical Kinetics**, 42, 126-131. [F] [JIF: 1.517]
13. Choure, N., & Bhoite, S. A. (2010). Acid catalyzed hydrolysis of N-phenylbenzohydroxamic acid. **Journal of Indian Chemical Society**, 87, 735-738. [I] [JIF: 0.173]

MK Rai

1. Patel, V., & Khatoon, R. (2015). Floatation Dissolution based spectrophotometric method for scanning of ethion. **Asian Journal of Chemistry**, 27. [F] [JIF: 0.45]
2. Khatoon, R., Rai, M. K., Patel, V., & Rai, J. (2014). A New Sensitive Spectrophotometric Determination of Butachlor. **Journal of Chemical Society of Pakistan**, 36(6), [F] [JIF: 0.61]

ML Satnami

1. Satnami, M. L., Chandraker K., Vaishnav, S. K., Nagwanshi, R., & Ghosh, K.K. (2015). Radical Scavenging Efficacy of Thiol Capped Silver Nanoparticles **J. Chem. Sci.** [I] [JIF: 1.298]
2. Satnami, M. L., Vaishnav, S. K., Nagwanshi, R., & Ghosh, K.K. (2015). CdS Quantum Dots: Aqueous Synthesis, Spectroscopic and microscopic investigation. **J. Indian Chem. Soc.**, [I] [JIF: 0.25]
3. Satnami, M. L., Vaishnav, S. K., Nagwanshi, R., & Ghosh, K.K. (2015). Spectrofluorometric determination of mercury and lead by colloidal CdS nanomaterial.

- J. Dis. Sci. Technol.**, (Accepted) In press [1][JIF:0.75]
- Kandpal, N., Dewangan, H. K., & Satnami, M. L. (2015). Nucleophilicity of Aromatic and Aliphatic Hydroxamate Ions towards C=O and P=O Center in Cationic Micellar Media. **J. Indian Chem. Soc.**, (Accepted) In press. [1][JIF: 0.25]
 - Singh, N., Karpichev, Y., Sharma, R., Gupta, B., Sahu, A. K., Satnami, M. L., & Ghosh, K. K. (2015). From α -Nucleophiles to Functionalized Aggregates: Exploring the Reactivity of Hydroxamate Ion towards Esterolytic Reactions in Micelles. **Org. Biomol. Chem.**, 13, 2827-2848. [1][JIF:3.562]
 - Satnami, M. L., Dewangan, H., & Karbhal, I. (2014). O-Nucleophilicity of Hydroxamate Ions for Cleavage of Carboxylate and Phosphate Esters in Cationic Micelles. **Int. J. Chem. Kinetics.**, 46(8), 419-432 [1][JIF: 1.57]
 - Satnami, M. L., & Vaishnav, S. (2014). Evaluation of the Potency of Antibacterial activity of some beta-lactum antibiotics conjugated with CdSe/ZnS quantum dots. **Toxicol. Letters**, S 229, S119. [1][JIF: 3.36]
 - Dewangan, H., & Satnami, M. L. (2014). Kinetics of hydroxamate and Functionalised ocimate ions for hydrolysis of organophosphorus compounds. **Toxicol. Letters**, S 229, S115. [1][JIF: 3.36]
 - Yadav, T., Tikariha, D., Lakra, J., Satnami, M.L., Tiwari, A.K., Saha, S. K., & Ghosh, K. K. (2015). Solubilization of Polycyclic Aromatic Hydrocarbons in Structurally Different Gemini and Monomeric Surfactants: A Comparative Study. **Journal of Molecular Liquids**, 204, 216-221. [1][JIF: 2.08]
 - Lakra, J., Tikariha, D., Yadav, T., Ghosh, S., Satnami, M. L., Ghosh, K. K. (2014). Mixed Micellization of Gemini & Cationic Surfactants: Physico-chemical Properties & Solubilization of Polycyclic Aromatic Hydrocarbons. **Colloids Surf. A: Physicochem Eng. Aspects**, 451, 56-65. [1][JIF: 2.83]
 - Kumar, B., Tikariha, D., Satnami, M. L., Barbero, N., Quagliotto P., & Ghosh, K. K. (2014). Catalytic hydrolysis of phosphodiester by nucleophilic ions in gemini micellar media. **J. Phy. Org. Chem.**, 27, 613-621. [1][JIF: 1.38]
 - Gupta, B., Singh, N., Sharma, R., Foretic, B., Musilek, K., Kuca, K., Acharya, J., Satnami, M.L., Ghosh, K. K. (2014). Assessment of Antidotal Efficacy of Cholinesterase Reactivators Against Paraoxon: In Vitro Reactivation Kinetics and Physicochemical Properties. **Bioorganic & Medicinal Chemistry Letters**, 24, 4743-4748. [1][JIF: 2.79]
 - Gupta, B., Singh, N., Sharma, R., Foretic, B., Musilek, K., Kuca, K., Acharya, J., Satnami, M.L., Ghosh, K. K. (2014). Assessment of Antidotal Efficacy of Cholinesterase Reactivators Against Paraoxon: In Vitro Reactivation Kinetics and Physicochemical Properties. **Bioorganic & Medicinal Chemistry Letters**, 24, 4743-4748. [1][JIF: 2.79]
 - Singh, N., Karpichev, Y., Gupta, B., Satnami, M. L., Marek, J., Kuca, K., & Ghosh, K. K. (2013). Physicochemical Properties and Supernucleophilicity of Oxime Functionalized Surfactants: Hydrolytic Catalysts Towards Dephosphorylation of Di- and Tri-phosphate Esters. **J. Phy. Chem. B**, 117, 3806-3817. [1][JIF: 3.30]
 - Gupta, B., Sharma, R., Singh, N., Karpichev, Y., Satnami, M. L., & Ghosh, K. K. (2013). Reactivity Studies of Carbon. Phosphorus and Sulphur Based Acyl Studies with Tertiary Oximes in Gemini Surfactants. **J. Phys. Org. Chem.**, 26, 632-642. [1][JIF: 1.38]
 - Lakra, J., Tikariha, D., Yadav, T. Satnami, M. L., Ghosh, K. K. (2013). Study of Solubility Efficiency of Polycyclic Aromatic Hydrocarbons in Pure Surfactant System. **J. Surf. Deterg.**, 16, 957-966. [1][JIF: 1.68]
 - Tikariha, D., Singh, N., Satnami, M.L., Ghosh, K.K., Quagliotto, P., & Barbero, N. (2012). Physicochemical Characterization of Cationic Gemini Surfactants and Their Effect on Reaction Kinetics in Ethylene Glycol-Water Medium. **Colloids Surf. A: Physicochem. Eng. Aspects**, 411, 1-11. [1][JIF: 2.75]
 - Kumar, B., Satnami, M.L., Ghosh, K.K., & Kuca, K. (2012). Comparative studies on reaction of bis(*p*-nitrophenyl) phosphate and α -nucleophiles in cationic micellar media. **J. Phys. Org. Chem.**, 25, 864-871. [1][JIF: 1.38]
 - Satnami, M. L., Dhritlahre, S., Nagwanshi, R., Karbhal, I., Ghosh, K. K., & Nome, F. (2010). Nucleophilic Attack of Salicyl-hydroxamate Ion at C=O and P=O Centre in Cationic Micellar media. **J. Phys. Chem. B**, 114, 16759-16765. [1][JIF: 3.30]

Other Publications of Faculty

R Pande

1. Thakur, P. K., Patre, S., & Pande, R. (2014). Hydrogen-Bond Parameters and Lipophilicity of Hydroxamic Acids: Use in Drug Design. **International Journal of Science and Research**, 3(9), 1545-1548. [F] [JIF: 4.438]
2. Singh, P., & Pande, R. (2014). Determination of Antioxidant Capability of N-1-naphthyl-ethoxy-benzohydroxamic Acid. **World Journal of Pharmacy and Pharmaceutical Sciences**, 3(3), 2089-2095. [F] [JIF: 5.210]
3. Raj, S., Khare, D., & Pande, R. (2013). In-vitro Studies on interactions between ct-DNA and N-P- Chlorophenyl-2-Furohydroxamic acid. **World Journal of Pharmacy and Pharmaceutical Sciences**, 2(5), 3480-3488. [F] [JIF: 5.210]
4. Patre, S. & Pande, R. (2011). Physico-Chemical Parameters of Hydroxamic Acids. **International Journal of Bioscience, Biochemistry and Bioinformatics**, 21, 140-143. [F]
5. Agarwal, A., Pande, R. & Agarwal, M. L. (2011). Assessing Impact of MSW Leachate on Ground Water Sources – A Case Study. **International J. Chem. Environmental Eng.**, 2, 113-118. [F] [JIF: 0.367]
6. Thakur, P., Patre, S. & Pande, R. (2011). Steric Parameters of Hydroxamic Acids in DMSO. **International Journal of Bioscience, Biochemistry and Bioinformatics**, 4, 271-275. [F]
7. Patre, S., Thakur, P. & Pande, R. (2011). Solubility and Hydrophobic Descriptors of N-Arylhydroxamic Acids. **International Journal of Bioscience, Biochemistry and Bioinformatics**, 4, 267-270. [F]

KS Patel

1. Patel, K. S., Sharma, R., Dahariya, N. S., Yadav, A., Blazhev, B., Matini, L., & Hoinkis, J. (2015). Heavy metal contamination of tree leaves. **American Journal of Analytical Chemistry**, 6, 687-693. [F]
2. Patel, K. S., Sahu, D., Ramteke, S., Blazhev, B., Matini, L., Yubero, E., & Hoinkis, J. (2015). Transport pollution in India. **American Journal of Analytical Chemistry**, 6, In press. [F]
3. Patel, K. S., Dahariya, N. S., Chakradhary, S. K., Sahu, P. K. Rajhans, K. P., Ramteke, S., Lata, L., & Milosh, H. (2015). Sewage pollution in central India. **American Journal of Analytical Chemistry**, 6, In press. [F]
4. Patel, K. S., Sahu, B. L., Dahariya, N. S., Bhatia, A., Patel, R. K., Matini, L., Sracek, O., & Bhattacharya, P. (2015). Contamination of arsenic and fluoride in groundwater. **Applied Water Science**, Accepted. [F] [JIF: 1.344]
5. Verma, R., Patel, K. S., & Verma; S. K. (2014). Chemical Composition of Indoor Ash Residues, **Journal of Advances in Environmental health Research**, 2, 81-90. [F] [JIF: 0.214]
6. Verma, R., Patel, K. S., Verma, S. K., & Jaiswal, N. K. (2014). Carbonaceous particulate concentration during Indoor burning. **International Journal of Ethics in Engineering & Management Education**, 1, 187-194. [F] [JIF: 0.301]
7. Verma, R., Patel, K. S., & Verma, S. K. (2014). Indoor polycyclic aromatic hydrocarbon concentration in Central India. **Polycyclic Aromatic Compounds**, (DOI: 10.1080/10406638.2014.957407) In press. [F] [JIF: 0.760]
8. Patel, K. S., Dewangan, R., Wysocka, I., Jaroan, I., & Matini, L. (2013). Ground water pollution in Central India. **Water & Environmental Dynamics Proceedings, ICWRER**, 256-273, DOI: 10.5675/ICWRER_2013. [F] [JIF: 0.98]
9. Patel, K. S., Nayak, Y., & Hung, C.-C. (2013). Polychlorinated biphenyls contamination in pond sediment of central India. **Water & Environmental Dynamics Proceedings, ICWRER 2013**, 588-605, DOI: 10.5675/ICWRER_2013. [F] [JIF: 0.98]
10. Patel, K. S., Verma, A., Jaiswal, N. K., Sahu, B. L., Shrivastava, K., Raab, A., Feldmann, J., Borgese, L., Gianoncelli, A., Bontempi, E., Lautentand, M. & Bhattacharya, P. (2012). Arsenic concentration in soil, rice and straw in central India. **CRC Press**, Pages 508–509. [F]
11. Patel, K. S., Ambade, B., Jaiswal, N. K., Sharma, R., Patel, R. K., Blazhev, B.,

- Lautentand, M., & Bhattacharya, P. (2012). Arsenic and other heavy metal contamination in central India. **CRC Press**, Pages 38–39. [F]
12. Patel, K. S., Ambade, B., Yubero, E., & Lautent, M. (2012). Urban runoff water quality in central India. **7th EUREGEO Inter. Conf., Bologna**, 459-460. [F]
 13. Patel, K. S., Rajak, M., Dahariya, N., Mukerjee, A., Blazhev, B., Nicolas, J., Yubero, E., Hoinkis, J., & Lautent, M. (2012). Potential groundwater pollution in central India. **7th EUREGEO Inter. Conf., Bologna**, 461-462. [F]
 14. Patel, K. S., Sharma, R., Patel, R. K., & Lautent, M. (2011). Groundwater quality of Rajnangaon city. Workshop on Groundwater Pollution Around Industrial Clusters: Mitigation & Management, Raipur, p. 66-72.
 15. Patel, K. S., Bhatia, A. P., Patel, R. K., & Lautent, M. (2011). Source apportionment of arsenic and other elements in groundwater of Ambagarh Chouki, Raipur. **Workshop on Groundwater Pollution Around Industrial Clusters: Mitigation & Management, Raipur**, p. 86-94
 16. Patel, K. S., Shrivastava, K., Towari, A., Verma, A., Brandt, R., Jakubowski, N., Corns, W., Chen, B., Raab, A., Feldmann, J. & Blazhev, B. (2010). Arsenic accumulation in common rice of central India. **CRC Press**, Pages 570-571. [F]
 17. Patel, K.S., Shrivastava, K., Verma, A., Baghel, R., Corns, W., Chen, B., Raab, A., Feldmann, J. & Blazhev, B. (2010). Arsenic exposure and skin lesions in central India. **CRC Press**, Pages 264-265. [F]
 18. Patel, K.S., Garhewal, M., Jaiswal, N.K., Dewangan, R.K., Corns, W., Chen, B. & Blazhev, B. (2010). Arsenic exposure in coal burning area of central India. **CRC Press**, Pages 156. [F]
 19. Patel, K.S., Gupta, S., Sahu, D., Jaiswal, N. K., Dewangan, R. K., Nava, S., Lucarelli, F., Blazhev, B., Stefanova, R., Hoinkis, J. (2010). Lead environmental pollution in central India. Book Chapter, *New Trends in Technologies*, Vienna, Austria, page 1-12.

KK Ghosh

1. Yadav, T., Tikariha, D., Lakra, J., Tiwari, A. K., Saha, S.K., Ghosh, K. K. (2014) Surface Properties of Amphiphilic Drugs in Presence of Cationic surfactants. **J. Surf. Sci. Technol.**, 30, 93-110. [F] [JIF: 1.15]
2. Tikariha, D., Kumar, B., Ghosh, S., Tiwari, A. K., Barbero, N., Quagliotto, P., & Ghosh, K. K. (2013). Interaction between Cationic Gemini and Monomeric Surfactants: Micellar and Surface Properties. **J. of Nanofluids**, 2, 316-324. [F]

MK Deb

1. Pal, J. & Deb, M. K., (2015) Microwave-assisted synthesis of palladium nanoparticles and its catalytic degradation of organic dyes in aqueous solution. **J. Water Chem. & Technol.**, 1124 [F] [JIF: 0.231]
2. Nirmalkar, J., Deb, M. K., Tsai, Y.I., Deshmukh & D. K. (2015) Arabitol and Mannitol as Tracer for Fungal Contribution to Size-Differentiated Particulate Matter of Rural Atmospheric Aerosols. **Intern. J. Environ. Sci. and Develop.** 6 (6), 460, [F] [JIF: 2.190]
3. Pal, J. & Deb, M.K. (2013) Microwave green synthesis of biopolymer stabilized silver nanoparticles and their adsorption behavior for atrazine. **Applied Water Sci.** DOI 10.1007/s13201-014-0179-5, [F]
4. Deshmukh, D. K., Deb, M. K., Sircar J. K., & Agnihotri, P. K. (2012) Measurement of size-segregated aerosol concentration and seasonal variation in the ambient air of Durg city, India. **Stochastic Environ. Res. & Risk Assess.**, 8, 621-627, [F]
5. Pal, J., Deb, M.K. & Verma, D. (2012) Removal of phenolic compounds by adsorption on to green synthesized silver and gold nanoparticle beads. **J. Chinese Chem. Soc.**, 4, 455-458, [F] [JIF: 1.221]
6. Deb, M. K. & Verma, D. (2010) Fourier transform infrared spectroscopic determination of ammonium at sub-microgram level in waters and biological fluids following removal of nitrate from sample matrix by zerovalent iron nanoparticles. **Microchimica Acta**, 169, 23-31, [F] [JIF: 3.714]
7. Deshmukh, D. & Deb, M. K. (2010) Ion-chemistry, seasonal cycle and sources of PM_{2.1-10} and PM_{2.1} aerosols in industrial city Korba. **Indian Aerosol Science and Technology Association**, 19, 590-598, [I]

- Verma, S.K., Deb, M.K., Suzuki, Y., Tsai, T.A. (2010) Ion chemistry and source identification of coarse and fine aerosols in an urban area of eastern central India. **Atmospheric Research**, 95, 65-76, [F] [JIF: 2.844]

S Pervez

- Gurugubelli, B., Pervez, S., Dewangan, S., Matawle, J. L., and Dubey, N. (2015). Air Pollution, Sources and Effects on Health and Vegetation in Developing Countries- A Review. **Journal of Energy and Environmental Engineering**, 1, [F] [JIF: 1.221]
- Mathew, J., Pervez, S., Balakrishna, G., & Subramanyam, A. (2012). Investigation of dominating routes of personal particulates among workers of battery recycling workshops in a mixed urban industrial environment. **Global Advanced Research Journal of Environmental Science and Technology**, 1, 023-037. [F] [JIF: 0.2]
- Balakrishna, G. & Pervez, S. (2011). Soil as a Source Contributor in Mineral Dust Fallout at Urban Industrial Residential Area. *Iranian J. Earth Sciences*, 3, 80-88. [F] [JIF: 0.4]

SA Bhoite

- Yadav, H., & Bhoite, S. A. (2014). Acid Catalyzed Hydrolysis of Di-2-Methoxy-4-Nitroaniline Phosphate. **International J. of Scientific Research**, 3(6), 63-65. [F] [JIF: 1.826]
- Gupta, M. K., Yadav H., & Bhoite, S. A. (2014). Kinetic Approach to Hydrolysis of Mono-6-Chloro-2,4-Dinitroaniline Phosphate in Acidic Medium. **International J. of Scientific and Research Publications**, 4(6), 1-7. [F] [JIF: 1.4053]
- Yadav, H., & Bhoite, S. A. (2014). Hydrolysis of Mono-N-Ethyl-*o*-Toluidine Phosphate Catalyzed by Hydrochloric Acid. **Chem Sci Rev Lett.**, 3(11), 628-635. [F] [JIF: 4.014]
- Gupta, M. K., Bhoite, S. A., & Jadhav, S. K. (2014). Synthesis and antibacterial activity of mono-6-chloro-2, 4-dinitroaniline phosphate. **Biotechnology and traditional knowledge**, 99-104. [F]
- Banjara, R. A., Jadhav, S. K., & Bhoite, S.A. (2013). In vitro determination of Antifungal Activity and MIC evaluation of Phosphate Esters. **International J. of Chemtech Applications**, 2(4), 85-93. [F]
- Yadav, H., & Bhoite, S. A. (2013). Synthesis and Hydrolytic Study of Mono-N-ethyl-*o*-toluidine Phosphate. **Society for Environ, Edu. Research and Management**, 13, 71-72. [F]
- Gupta, H., Avadhiya, P., & Bhoite, S. A. (2013). Antibacterial Activity of Mono-*p*-toluidine Phosphate. **Society for Environ. Edu. Research and Management**, 13, 157-158. [F]
- Banjara, R. A., Jadhav, S. K., & Bhoite, S. A. (2012). MIC for determination of antibacterial activity of di-2-ethylaniline phosphate. **Journal of Chemical and Pharmaceutical Research**, 4(1), 648-652. [F]
- Bairagi, B., & Bhoite, S. A. (2012). Kinetics of hydrolysis of mono-4-methyl-2-nitroaniline phosphate via conjugate acid species. **Journal of Chemical and Pharmaceutical Research**, 4(4), 2312-2316. [F]
- Bairagi, B., & Bhoite, S. A. (2012). Kinetics of hydrolysis of di-4-methyl-2-nitroaniline phosphate in buffer medium. **Acta ciencia indica**, 38C (1), 31-36. [F]
- Banjara, R. A., Aneshwari, R., Jadhav, S. K., Bhoite, S. A. (2012). In vitro antibacterial activity of mono-2-ethylaniline phosphate ester. **Asian J. Exp. Biol. Sci.**, 3 (4), 772-777. [F]

MK Rai

- Wani, K., Rai, M. K., & Khatoon, R. (2014). A new spectrophotometric determination of endosulfan and its application. **International Journal of Science and Research**, 3(6), 202-205. [F] [JIF: 3.358]
- Patel, V., Rai, M. K., Mundeja, P., & Rai, J.K. (2014). Sensitive spectrophotometric determination of chloropyriphos in different environmental and biological sample. **International Journal of Science and Research**, 3(7), 1546-1550. [F] [JIF: 3.358]
- Nirmal, M., Rai, M. K., & Patel, V. (2014). A new spectrophotometric method for the determination of isoprothiolane in environmental sample. **International Journal of Science and Research**, 3(5), 1820-1822. [F] [JIF: 3.358]
- Patel, V., Rai, M. K., Khatoon, R., & Nirmal, M. (2014). An extractive

spectrophotometric method for the determination of propargite in various environmental and biological sample. **International journal for research in applied science and engineering technology**, 2(7), 248-253. [F] [JIF: 3.943]

5. Khatoon, R, Rai, M. K., & Rai, J. K. (2013). Low cost spectrophotometric determination of paraquat in environmental and biological sample. **Recent research in science and technology**, 5(2), 1-3. [F]
6. Rai, V.K., Patel, V., & Rai, M. K. (2013). A new spectrophotometric method for the determination of baygon in environmental and biological sample. **Recent research in science and technology**, 5(2), 1-3. [F]
7. Rathod, P., Rai, M. K., Rai, J. K., & Dhundhel, R. S. (2012). A new reagent system for the determination of kelthane in various sample. **International Journal of Chemistry**, 1(3), 418-424. [F] [JIF: 1.44]
8. Dhundhel, R. S., & Rai, M. K. (2011). A newly sensitive method for the determination of cypermethrin in various sample. **Asian Journal of Biochemical and Pharmaceutical Research**, 3, 381-390. [F] [JIF: 0.456]

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

S Pervez: Desert Research Institute, Reno, NV, USA

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

R Pande

National committees

Life Member of

1. Indian Science Congress Association
2. Indian Chemical Society
3. Indian Council of Chemists
4. DNA Society of India
5. Chemical Research Society of India

International committees

Life Member of

1. Asia Pacific Chemical, Biological and environmental Engineering Society, Hong-Kong

Any other: Members in Professional Body

- Member – Executive Council, PRSU
- Reviewer
 - (1) J. of Chemical Thermodynamics
 - (2) Medicinal Chemistry Research

KS Patel

National committees

1. Member of National Environmental Science Academy

KK Ghosh

National committees

1. Joint Secretary: Chemical Research Society of India 2014-2017,
2. Council Member: Chemical Research Society of India 2011-2014
3. Council Member: Indian Society for Surface Science & Technology 2014-2016

4. Council Member: Indian Chemical Society 2014-2016
5. Scientist In-charge: Physical Chemistry Indian Chemical Soc., 2011-2013

Editorial Board

1. Editor, Journal of Ravishankar University, Part-B Science

Any other:

Members in Professional Body

1. Chemical Research Society of India Life Member
2. Indian Association for Cultivation of Sciences Life member
3. Indian Science Congress Association Life Member
4. Indian Chemical Society, Life Member
5. Indian Society for Surface Science and Technology, Life Member
6. Coordinator INSPIRE Internship Camp
7. Member of Academic Planning & Evaluation Board
8. Chairman of Board of Studies, Chemistry, Pt. Ravishankar Shukla University (2014-2017); Pt. Sunder Lal Sharma Open Univ., Bilaspur (From 2015)
9. Coordinator: Public Outreach Centre
10. Member of IQAC (From 2011), Pt. Ravishankar Shukla University

MK Deb**National committees**

Member

1. Life time Member of Indian Science Congress Association
2. Life time Member of Indian Chemical Society

Editorial Board

1. Managing Editor; J. Ravishankar University (Part B - Science)
2. J. Open Atmospheric Science U. S. A., Member Editorial Board

S Pervez**International committees**

1. Member of International Steering Committee, Visibility Conference USA, IASTA, ICS, CRSI
2. Convener and Organizing Secretary of International Symposium on Environmental – Analytical & Toxicological Issues of Speciation in Atmospheric Organic Aerosols” in Pt.RSU ,Raipur, December 6-7, 2012
3. Convener and Organizing Secretary of International symposium on Novel Approaches to Air Quality Management and Improvement in India” in Desert Research Institute, Raipur, September 5-7, 2011.
4. Secretary, Convention of chemist and International conference on recent trends in chemical sciences, Indian chemical society, Pt RS University, 2013
5. Joint secretary, Chhattisgarh Young Scientist, CGCOST, 2012
6. Member, organizing committee, International conference on Arsenic, Pt RS University, 2011

Any other: Members in Professional Body

1. Referee/Reviewer: Public Health, Aerosol and Air Quality Research, Atmospheric Environment, Natural Hazards, APR, Atmospheric Research, Building & Environment and a number of other journals of international repute

ML Satnami**National committees**

Member

1. Indian Chemical Society
2. Life Member of Indian Society for Surface Science & Technology

SA Bhoite**National committees**

Member

1. Life Member of Indian Science Congress Association
2. Life Member of Indian Chemical Society Association of Nuclear Chemists & Allied Scientists
3. Life Member of Indian Council of Chemists

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Workshop	Workshop on "How to Write Research Project" Jan. 12-19, 2012 (Under Joint Auspices with the HRDC)	UGC	AK Pati, S Saraf, AK Gupta, A Palta, SC Naithani
Workshop	Chemistry Teacher Training Workshop Oct 6-8, 2015	Jointly by RSC & PRSU, Raipur	MM Sharma, Girjesh Govil, Sourav Pal, RV Bhat, R Pande, KK Ghosh

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil. dissertation: 100% in house

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Students

Faculty

R Pande

National

- UGC BSR Faculty Research Fellowship after Superannuation (2016-2019)

KK Ghosh

National

- Bronze Medal of CRSI, Bangalore (2012)

S Pervez

International

- Fulbright Fellowship (2010)

Post doctoral fellows

Award

International

- Dhananjay Deshmukh: JSPS Fellowship (2013)
- Namrata Singh: Charles University Prague (2014-15)
- Santosh Kumar Verma: China (2014)
- Santosh Kumar Verma: Sapporo, Japan (2013-2014)

Doctoral students

Award

National

2015

1. Manish Pardhi, Royal Society of Chemistry Fellowship, 9th CRSI-RSC Conference, NCL, Pune

2014

1. Mithilesh Kumari Gupta, 33 rd Annual Conference, Dept. of Applied Chemistry, ISM, Dhanbad, (V.K. Sharma Award)
2. Jayant Nirmalkar, CSIR, National Metallurgical Laboratory, Jamshedpur
3. Arvind Kumar Sahu ,Young Scientist Award of Indian Chemical Society (Association of Kineticist) Prof. Santi Ranjan Palit Memorial Award

2013

1. Mithilesh Kumari Gupta, Best Poster Presentation Award National Conference, University of Pune
2. Bhanushree Gupta, Young Scientist Award of Indian Chemical Society (Association of Kineticist)
3. Vindhiya Patel, Women Scientist Award of Indian Council of Chemists (Analytical Chemistry) Dharwad Karnataka, India

2012

1. Vindhiya Patel Indian Chemical Society, (Upadhyaya Annapurna and Satyanarayan Memorial Award)
2. Bhanushree Gupta, Young Scientist Award of Indian Chemical Society (Association of Kineticist)
3. Rahul Sharma, Young Scientist Award of Indian Chemical Society (Association of Kineticist) Prof. Santi Ranjan Palit Memorial Award
4. Vindhiya Patel, Best Poster Presentation Award, National Conference on NCITMT

2011

1. Jolly Pal, Young Scientist Award of Indian Chemical Society
2. Namrata Singh, Young Scientist Award of Indian Chemical Society (Association of Kinetics)

2010

1. Deepesh Khare, Young Scientist Award of Indian Chemical Society,
2. Namrata Singh, Young Scientist Award of Indian Chemical Society (Association of Kinetics)

State

2015

1. Srishti Sinha, Young Scientist Award of 13th Chhattisgarh Young Scientists Congress

2014

1. Priyanka Singh, Young Scientist Award of 12th Chhattisgarh Young Scientists Congress
2. Bhanushree Gupta, Young Scientist Award of 12th Chhattisgarh Young Scientists Congress
3. Rahul Sharma, Young Scientist Award of 12th Chhattisgarh Young Scientists Congress

2011

1. Jolly Pal Best Poster Award in 4th International Congress of Environ Res SVNIT, Surat

2010

1. Nitin Kumar Jaiswal, Young Scientist Award of 8th Chhattisgarh Young Scientists Congress
2. Piyush Thakur, Young Scientist Award of 8th Chhattisgarh Young Scientists Congress
3. G. Balakrishna, Young Scientist Award of 8th Chhattisgarh Young Scientists Congress
4. Jolly Pal, Young Scientist Award of 8th Chhattisgarh Young Scientists Congress

Fellowship

2010-2015

1. Bhanushree Gupta: Senior Research Fellow (SRF), Council of Scientific and Industrial Research (CSIR), New Delhi, 2010
2. Rameshwari A. Bajrae: Rajiv Gandhi National Fellowship (SRF), 2011-2013
3. Shashibala Kindo: Rajiv Gandhi National Fellowship, 2011
4. Rahul Shrama: Senior Research Fellow (SRF), Defence Research Development Organization (DRDO-SRF), New Delhi 2012
5. Mamta Tripathi: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi, 2013
6. Bhawana Bairagi: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2011-12
7. Ritu Sharma: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2012
8. Homeshwari Yadav, Scholarship, Pt. Ravishankar Shukla University, Raipur, 2012-14

9. Bharti Verma: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2013
10. Yamini Thakur: Rajiv Gandhi National Fellowship, 2014
11. Nohar Singh Dahariya: Rajiv Gandhi National Fellowship, 2012
12. Jyotsana Lakra: Rajiv Gandhi National Fellowship, 2012
13. Toshikee Yadav: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2013
14. Arvind Kumar Sahu: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2013
15. Shristi Shinha: Chhattisgarh Council of Science and Technology CCOST Raipur, 2015
16. Bhupendra Kumar Sen: SERB Project, Department of Science and Technology (DST), New Delhi, 2014
17. Swati Chandrawanshi: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2013
18. Kumudini Chandraker: Scholarship, Pt. Ravishankar Shukla University, Raipur, 2012
19. Shahina Bano: Maulana Azad National Fellowship, 2014
20. Raisa Khatoon: Maulana Azad National Fellowship, 2013
21. Jyoti Korram: M.Phil. State Government Scholarship, 2013
22. Neha Kandpal: M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur 2013
23. Swpnil Tiwari: M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur 2013
24. Nisha Chhetri: M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur 2013

Travel support to attend International Conference

1. Mamta Tripathi: Paper presented in BASEC Life Sciences Week Leading in Europe Switzerland. Foreign Travel Grant provided by University Travel Grants Raipur, 2015
 2. Bharatlal Sahu: Paper presented in 19th ETN-Conference on Combustion Generated Nanoparticles held in Zurich, 2015
 3. Jyotsna Lakra: Paper presented in 4th International Conference of Indian Council of Chemist on Application and Management in Chemical Sciences at Tashkent, Uzbekistan, 2015
 4. Mithilesh Kumari Gupta: Paper presented in 4th International Conference of Indian Council of Chemist on Application and Management in Chemical Sciences at Tashkent, Uzbekistan, 2015
 5. Homeshwari Yadav: Paper presented in 4th International Conference of Indian Council of Chemist on Application and Management in Chemical Sciences at Tashkent, Uzbekistan, 2015
 6. Vindiya Patel: Paper presented in 3th International Conference of Indian Council of Chemist on Application and Management in Chemical Sciences at Dubai and Abu Dhabi, UAE, 2014
 7. Jeevan Matawle: Paper presented in Better Air Quality Conference, 2014
 8. Manish Pardhi: Paper presented in MIPTEC the Leading European Event for Drug Discovery 2014. Foreign Travel Grant provided by University Travel Grants Raipur, 2014
 9. Priyanka Singh: International Conference on chemical agriculture and Medical Sciences CAMS-2013 Kualaumpur Malaysia, Foreign Travel Grant provided by University Travel Grants Raipur, 2013
 10. Jayant Nirmalkar: Paper presented in International Conf. Environ. Engg. & Appl., August 24-25, 2013, Singapore
 11. Piyush Thakur: Paper presented in MIPTEC Switzerland. Foreign Travel Grant provided by University Travel Grants Raipur, 2011
 12. Sandhiya Patre: Paper presented in 29th International Symposium Chromatography, Torun (Poland) Foreign Travel Grant from CCOST and PRSU, Raipur, 2012
30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

International Conferences

	Program	Source of funding	Outstanding participants
Conferences	47 th Annual Convention of Chemists & International Conference on Recent Advances in Chemical Sciences, December 22-27, 2010	UGC, DST, DRDO, CCOST	M Yamashita, Japan, MK Jain, USA, AK Singh, I.I.T. Mumbai, KVR Charry, TIFR, Mumbai, KN Singh, BHU, BK Patel I.I.T.

			Guwahati
Symposium	International Symposium on Novel Approaches to Air Quality Management and Improvement in India September 5-7, 2011	UGC, International Council of Clean Transportation (ICCT) California) and DRI, NV, USA	JG Watson, USA Judith Chaw, USA Suresh Tiwari, IITM, New Delhi Ajay Taneja, Agra University
Symposium	International Symposium on Environmental, Analytical & Toxicological Issues of Speciation in Atmospheric Organic Pollutants, December 6-7, 2012	Desert Research Institute, Reno, NV and UGC	Barbara Zielinska, USA Anjali Srivastava, NEERI

National Conferences

	Program	Source of funding	Outstanding participants
Conference	National Conference on Recent Trends in Chemical Science Jan. 23-25, 2014	UGC	RP Tripathi, CDRI Kabir-ud Din, Aligarh Umesh Kulshrestha, JNU
Seminar	One Day National Seminar on Water, Waste Management and Energy Problems in Bastar, 1 March 2013	CCOST	SK Sahu, Sambalpur ML Naik, Raipur
Celebration	International Year of Chemistry, Nov. 29, 2011	CCOST	Girjesh Govil, KS Siddique, SK Srivastav
Conference	17th National Conference on Surfactants, Emulsions and Biocolloids (NATCOSEB-XVII) November 4-6, 2015	UGC, DST, CCOST DRDO, MOES	AB Mandal, VK Aswal, DVS Jain, DK Chhatteraj, S Maiti

State Conferences

	Organized Program	Source of funding	Outstanding participants
Conference	8 th Chhattisgarh Young Scientists Congress February 27-28, 2010	Jointly by CCOST & PRSU	A Sharma RK Thakur
Conference	12 th Chhattisgarh Young Scientists Congress February 17-19, 2014	Jointly by CCOST & PRSU	R Chidambaram MM Sharma RA Mashelkar Girjesh Govil

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Human Ethics Committee (IEC)
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.					
2010-2011	183	13	25	92.3	96
2011-2012	189	11	28	100	100
2012-2013	191	13	27	84	100

2013-2014	201	09	28	100	100
2014-2015	261	13	27	100	92.59
2015-2016	266	15	34	-	-
M.Phil.					
2010-2011	40	5	5	5	5
2011-2012	45	4	6	4	6
2012-2013	43	0	9	0	9
2013-2014	60	2	7	2	7
2014-2015	30	-*	-	-	-
2015-2016	28	4	2	4	2
Ph.D.					
2010-2011	70	3	8		
2011-2012	92	2	7		
2012-2013	213	3	4		
2013-2014	121	4	9		
2014-2015	98	1	6		
2015-2016	86				
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
M.Sc.	2014-15	98	02	00
M.Phil.	2014-15	97	03	00
Ph.D.	2014-15	98	01	01

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Vikash Jain	Assistant Professor (PSC)	2010	General
2.	Ravi Banjare	Assistant Professor (PSC)	2011	SC
3.	Birendra Jangade	Assistant Professor (PSC)	2012	SC
4.	Sakuntala Raj	Assistant Professor (PSC)	2012	ST
5.	Kundan Bhat	Assistant Professor (PSC)	2012	OBC
6.	Mausami Jangade	Assistant Professor (PSC)	2012	SC
7.	Sandhya Patre	Assistant Professor (PSC)	2012	General
8.	Vinod Jena	Assistant Professor (PSC)	2014	General
9.	Dipti Tikariha	Assistant Professor (PSC)	2014	SC
10.	Balram Ambade	Assistant Professor (PSC)	2010	General
11.	Indrapal Karbhal	NET	2012	ST
12.	Manish Pardhi	NET	2012	OBC
13.	Jeevan Matwale	NET	2012	SC
14.	Bhupendra Sen	NET	2013	OBC
15.	Nitai Sarkar	NET	2014	General
16.	Tula Ram Sahu	NET	2014	OBC
17.	Swati Chandrawanshi	NET	2015	OBC
18.	Bharti Verma	NET	2015	OBC
19.	Manoj Banjare	GATE	2015	SC
20.	Sandeep Vaishnav	GATE	2013	OBC
21.	Bhupendra Banjare	GATE	2013	SC
22.	Bharti Verma	GATE	2013	OBC
23.	Tula Ram Sahu	GATE	2015	OBC
24.	Bhupendra Sen	GATE	2012	OBC
25.	Nitai Sarkar	GATE	2015	General
26.	Bharti Verma	SET	2014	OBC
27.	Priyanka Singh	SET	2014	General

28.	Shashibala Kindo	SET	2014	ST
29.	Tula Ram Sahu	SET	2014	OBC
30.	Sarswati Seth	SET	2014	OBC
31.	Chhaya Bhatt	SET	2014	SC
32.	Dharna Thakur	SET	2014	ST
33.	Sandeep Vaishnav	SET	2014	OBC
34.	Bharti Verma	NET	2015	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	10
PG to Ph.D.	15
Ph.D. to Post-Doctoral	10
Employed	15
□ Campus selection	-
□ Other than campus recruitment	15
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	87.5%
from other universities within the State	Nil
from universities from other States	12.5%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	03
c) Class rooms with ICT facility	02
d) Students' laboratories	04
e) Research laboratories	08

39. List of doctoral, post-doctoral students and Research Associates

a) Research Associates- Deepti Tikaria, CSIR (8-Nov-2012 to 2-Sep-2014)

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of registration
1.	Shakuntala Raj	R Pande	30.07.2012
2.	Manish Pardhi		27.07.2013
3.	Bharti Verma		27.07.2013
4.	Rubi Khilari		27.07.2013
5.	Mamta Tripathi		27.07.2013
6.	Yamini Thakur		08.10.2014
7.	Bharat Lal sahu	KS Patel	31.07.2012
8.	Reetu Sharma		03.08.2011
9.	N. Dahariya		04.08.2011
10.	Jyotsana Lakhra	KK Ghosh	30.07.2012
11.	Toshikee Yadav		27.07.2013
12.	Arvind Kumar Sahu		27.07.2013
13.	Shrishti Sinha		27.07.2013
14.	Manoj Kumar Banjare		25.07.2015
15.	Reshma Sahu		18.09.2015
16.	Jayant Nirmakar	MK Deb	18.10.2011
17.	Bhupendra Sen		31.03.2012

18.	Swati Chandrawanshi		27.07.2013
19.	Swapnil Tiwari		08.10.2014
20.	Ram Singh Kurrey		08.10.2014
21.	Jiwan Lal Matawle	S Pervez	31.07.2012
22.	Shahina Bano		20.10.2014
23.	Mithilesh Gupta	SA Bhoite	03.08.2011
24.	Sashibala Kindo		29.07.2013
25.	Nisha Chhetri		08.10.2014
26.	Homeshwari Yadav		01.08.2011
27.	Mamta Nirmal	MK Rai	31.07.2012
28.	Raisa Khatoon		31.07.2012
29.	Vindhya Patel		19.08.2011
30.	Kalpana Wani		08.10.2014
31.	Prashant Mundeja		05.08.2013
32.	Sandeep Vaishnav	ML Satnami	27.07.2013
33.	Kumudini Chandrakar		27.07.2013
34.	Sunita Ghritlehare		29.07.2013
35.	Hitesh Dewangan		27.07.2013
36.	Neha Kandpal		08.10.2014
37.	Jyoti Korram		08.10.2014

Doctoral Degree Awarded 2010-2015

S. No.	Name of Student	Guide	Year
1.	Bhanupriya	R Pande	2010
2.	Veenu Verma	R Pande	2010
3.	Balram Ambarde	KS Patel	2010
4.	Nitin Kumar Jaiswal	KS Patel	2010
5.	Sapna Gupta	KS Patel	2010
6.	Dhananjay Sahu	KS Patel	2010
7.	Shilpa Sharma	MK Deb	2010
8.	Devsharan Verma	MK Deb	2010
9.	Anubhuti Koshle	S Pervez	2010
10.	James Mathew	S Pervez	2010
11.	Pragya Awadhiya	SA Bhoite	2010
12.	Heena Vishal Sanghani	R Pande	2011
13.	Shuchi Tiwari	KK Ghosh	2011
14.	Santosh Kumar Verma	KK Ghosh	2011
15.	Neha Tiwari	S Pervez	2011
16.	Nitin Choure	SA Bhoite	2011
17.	Shuvra Pradhan	MK Rai	2011
18.	Manorama Tripathi	R Pande	2012
19.	Anita Agarwal	R Pande	2012
20.	Yogita Nayak	KS Patel	2012
21.	Rameshwari Baghel	KS Patel	2012
22.	Deepti Tikariha	KK Ghosh	2012
23.	Balakrishna Gurugubelli	S Pervez	2012
24.	Piyush Thakur	R Pande	2013
25.	Deepesh Khare	R Pande	2013
26.	Shushma Singh Yadav	R Pande	2013
27.	Sandhya Patre	R Pande	2013
28.	Madhavi Rajak	KS Patel	2013
29.	Namrata Singh	KK Ghosh	2013
30.	Birendra Kumar	KK Ghosh	2013
31.	Dhananjay Deshmukh	MK Deb	2013
32.	Jolly Pal	MK Deb	2013
33.	Rameshwari A. Bajara	SA Bhoite	2013
34.	Bhawna Bairagi	SA Bhoite	2014

35.	Priyanka Singh	R Pande	2015
36.	Bhanushree Gupta	KK Ghosh	2015
37.	Shippi Dewangan	S Pervez	2015

a) from the host institution/university	Doctoral Students: 37
b) from other institutions/universities	NIL

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

M.Sc. (Chemistry)							Ph.D. (Chemistry)				
	Caste	2010-11	2011-12	2012-13	2013-14	2014-15		Caste	2012-13	2013-14	2014-15
Post Matric	OBC	02	27	26	36	39	Post Matric	OBC	02	02	02
Post Matric	SC	02	03	06	11	13	Post Matric	SC	Nil	Nil	Nil
Post Matric	ST	01	03	03	08	13	Post Matric	ST	Nil	Nil	Nil
Total			33	35	55	65	Total		02	02	02

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department no new program was introduced during the period of this assessment.

42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, During Staff council meetings, all the aspect of the teaching-learning evaluation is discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? A confidential written feedback is taken from the students of the entire course offered about the overall performance of teachers.
c) alumni and employers on the programs offered and how does the department utilize the feedback? Department organize the alumni meet , Parent teacher meet regularly , and takes feedback from the alumni and parents about the progress of the department regarding the courses, research activity etc.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Narendra Kumar Shukla, IAS	M.Sc.	1982	Ex-Collector, Balod
2.	Piyush Kant Pandey	M.Sc. Ph.D.	1987	Principal, BIT, Raipur
3	Alpana Ghosh	Ph.D	1991	Deputy Director Officer Colony, Raipur
4	AK Verma	M.Sc. Ph.D.	1996	Bhilai Steel Plant
5	GP Tiwari	M.Sc.	1984	Manager Plants ACC Cement
6	Sushil Tiwari	M.Sc.	1981	Principal, Govt. Science College, Durg
7	Arun Mishra	M.Sc.	1982	Controller of

				Examination, PSC, Chhattisgarh
8	Arvind Kumar Tiwari, IFS	M.Sc.	1980	Conservator of Forest, Raipur
9	SK Rajput	Ph.D.	1986	Principal, Govt. College, Armarikala
10	Pradip Agnihotri	M.Sc.	1980	Professor of Chemistry, Govt. Chhattisgarh College, Raipur

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

S. No.	Organized	Participated/Attended	Source of funding
1	National Science Day, February 28, 2014	80	CCOST
2	National Science Day, March 10, 2015	100	CCOST

National Science Day February 28, 2014

Special Invite

- Nobel Laureate: Robert Huber
Nobel Prize Chemistry-1988
Max Planck Institute of Biochemistry Martinsried, Germany
Huber delivered a lecture on, "Structural Biology and its Translation into Practice and Business: My Experience"
- John G Watson, Research Professor, Desert Research Institute, Reno, NV, USA and Expert, USEPA.
- Judith C Chow, Research Professor, Desert Research Institute, Reno, USA and Expert, USEPA
- Barbara Zielinska, Research Professor, Desert Research Institute, Reno, USA
- MK Mahanti, Department of Chemistry, North-Eastern Hill University, Shilong
- SG Tandon, Ex-Head, School of Studies in Chemistry, PRSU, Raipur
- BSM Rao, Indian Institute of Science and Education Research (IISER), Pune
- Saurav Pal, Director, National Chemical Laboratory, Pune
- Chittaranjan Sinha, Department of Chemistry, Jadavpur University, Kolkata
- PS Kalsi, Department of Chemistry, Punjab Agriculture University, Ludhiana
- Lallan Mishra, Department of Chemistry, Banaras Hindu University, Varanasi
- Tarashankar Pal, Indian Institute of Technology, Karagpur
- Anjali Pal, Indian Institute of Technology, Karagpur
- N Sathyamurthi, Indian Institute of Science and Education Research (IISER), Mohali

45. List the teaching methods adopted by the faculty for different programs.

- Class Room Teaching
- Power Point Presentation (LCD)
- Class room discussion
- Continuous Assessment

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

- Interactive method: Seminars/ Class presentations and Group discussions
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.
- Broad band internet facility is available which encourages the faculty to fit with computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow & PG classroom for effective teaching.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in staff council meetings held regularly monthly basis.

- Discussions and monitoring on results at end of each session and reforms required
- Internal Assessment /Continues evaluation by Class test and Presentation
- Regular viva-voce in practical
- Design of Advanced Level Experiment of PG Students.

47. Highlight the participation of students and faculty in extension activities.

- All the students participate weekly Chemical Society Lectures/Discussions etc
- All the faculty do interact with the students
- Publication of popular articles by faculty in newspapers
- Participation in national program organized/announced by national agencies
- Participation in INSPIRE CAMP (Twice in a year)
- Participation in Rajyotsav (1st Week of November)
- Participation in Chhattisgarh Young Scientist Congress (Feb/March)

48. Give details of “beyond syllabus scholarly activities” of the department.

Department organized programs, such as National Science Day, Seminars of the students in different aspects. Apart from course teaching, we organized lectures of eminent scientists from the institution of National/ International repute

- Organisation of student seminars
- Publication of review and public awareness articles

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Review article

1. Singh, N., Karpichev, Y., Sharma, R., Gupta, B., Sahu, A. K., Satnami, M. L., & Ghosh, K. K. (2015). From α -Nucleophiles to Functionalized Aggregates: Exploring the Reactivity of Hydroxamate Ion towards Esterolytic Reactions in Micelles. *Org. Biomol. Chem.*, 13, 2827-2848. [F] [JIF:3.562]
2. Singh, N., Karpichev, Y., Tiwari, A. K., Kuka, K., & Ghosh, K. K. (2015). Oxime Functionality in Surfactant Self assembly: An Overview on Combating Toxicity of Organophosphates. *Journal of Molecular Liquid*, 208, 237-252. [F] [JIF: 2.08]
3. Sharma, R., Gupta B., Singh N., Acharya J. R., Musalik K., Kuca K. & Ghosh K. K., (2015). Development and Structural Modifications of Cholinesterasase Reactivators against Chemical Warfare Agents in Last Decade: A Review. *Mini Reviews in Medicinal Chemistry*, 15,58-72 [F] JIF 2.903
4. Ghosh K. K., Gupta, B. and Bhattacharya S. (2015). Metallosurfactant aggregates as Catalysts for the Hydrolytic Cleavage of Carboxylate and Phosphate Esters: Current Organocatalysis (In Press) [F]

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Department carrying out cutting edge research in the domain of:
 - QSAR and Drug Designing For Anti-Tumor/Anti-Cancer Activity
 - Air Quality Monitoring & management: Chemical speciation, Receptor Modeling and Health risks
 - Detoxification of Chemical Warfare Agents & Pesticides
 - Micellar catalysis and Surface Chemistry
 - Synthesis and bioconjugation of Nanomaterials
2. The faculty publishes their findings in front line international journals.
3. The department is recognized by most of the national and international funding agencies and receives grants under DRS-SAP and DST-FIST programs.
4. The department possesses state-of-the-art instrumentation facilities.
5. The department has inked MoUs with University of Washington, St Louis, USA;

University of Massachusetts, USA; Desert Research Institute, Reno; USA and Indian Institute of Tropical Meteorology, New Delhi; DRDE, Gwalior; and CDRI, Lucknow

Weaknesses

- Strengthening of experimental laboratories for M.Sc. and Research students is desirable
- Shortage of Space
- Lack of technical manpower to handle sophisticated analytical equipments
- Lack of international exchange programs for students

Opportunities

- Availability of database could be projected for public charter related to air quality monitoring and analysis in mineral based coal-fired industrial region.
- Hands-on training program on sophisticated analytical equipments viz. Atomic absorption spectrophotometer, FT-Infra red spectrometer, Gas chromatography, Triple Quadrupole GC-MS/MS (approved by DST).
- Advanced training opportunities on field sampling of atmospheric pollutants (particulate matter, gaseous pollutants and organic pollutants), soils, surface and ground water
- Strong alumni base could be harnessed

Challenges

- Establishment of non-profit environmental/food & drug adulteration analysis and research laboratory
- Linkage/ Consultancy/ MoU

52. Future plans of the department.

- Modernization of infrastructure facility
- Augmentation of National and International Collaborative research activity
- To attract experts as Adjunct/Emeritus/Visiting Professors for our Department
- To introduce enrichment courses in the main program
- To carry out researches in order to cater to the local needs

Evaluative Report of the Department

1. Name of the Department: SVM School of Studies in Comparative Religion, Philosophy & Yoga
2. Year of establishment: 1985
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Philosophy & Yoga)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	Certificate Course	-	Philosophy & Yoga	2001-02
2.	P.G. Diploma	PG	Philosophy & Yoga	2001-02
3.	M.A.	PG	Philosophy	1986
4.	M.A.	PG	Applied Philosophy & Yoga	2007-08
5.	M.Phil.	Research	Comparative Religion & Philosophy	1985
6.	Ph.D.	Research	Philosophy	1985
7.	D.Litt.	Research	Philosophy	1986

5. Interdisciplinary programs and departments involved

Program : Ph.D. - Philosophy

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil; The Staff Council is contemplating to open courses in collaboration with other universities, industries and foreign institutions.

7. Details of programs discontinued, if any, with reasons

M.A. Philosophy because of fewer responses of students

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Annual - M.Phil.
Semester - M.A.

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	1
Associate Professor	1	-	1
Assistant Professor	3	2	-
Contract Teachers	-	1	1
Guest Teachers	-	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
B Singh	Ph.D.	Prof. & Head	Comparative Religion, Shankara Advaita, Comparative Indian & Western Philosophy, Applied Philosophy & Yoga	30	2	1
JL Gahare	M.Phil.	Associate Professor	Comparative Religion and Philosophy, Western Philosophy, Ethics, Social Philosophy	26	0	10

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

RL Singh - 21.11.2012
 GN Mishra - 09.03.2013
 J Shankar - 30.07.2015

13. Percentage of classes taken by temporary faculty – program-wise information

Session	PG Program		
	Applied Philosophy & yoga	Philosophy	P.G. Diploma in Yoga Education & Philosophy
2010-2011	-	-	100
2011-2012	-	-	100
2012-2013	-	-	100
2013-2014	44.82	46	100
2014-2015	46.47	-	100
2015-2016	66.66	-	100

14. Program-wise Student Teacher Ratio

Session	PG Program	M.Phil.
2010-2011	2:24	2:04
2011-2012	3:20	3:04
2012-2013	3:16	3:01
2013-2014	4:15	3:05
2014-2015	4:32	-
2015-2016	5:74	-

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	1	1	Nil
Administrative Staff	2	2	2

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No.	Funding Agency	Program	Period	Amount (INR in Lac)
1	UGC	To establish Swami Vivekanand Chair	12th five Year Plan 05 Years	85,00,000/-

20. Research facility/ centre with:

<input type="radio"/> state recognition	-
<input type="radio"/> national recognition	-
<input type="radio"/> international recognition	-

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications: B Singh

Parameter	Number	Average
<input type="radio"/> Number of papers published in peer reviewed journals (national / international)	04	

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

None

26. Faculty serving in

- a) National committees
b) International committees
c) Editorial Boards
d) any other (please specify)

B Singh

National Committees

1. Member advisory board, Akhil Bharitya Darshan Parishad.

Editorial Boards

1. Member, Darshanika Traimasika.
2. Member, Bihar Journal of Philosophy.
3. Member, Journal of Ravishankar University.

Any other

1. Registrar, C.S.V. Tech. University, Bhilai (on deputation), 02.06.2009-30.06.2011
2. Life Member:
(i) Akhil Bharatiya Darshan Parishad
(ii) Darshanika Traimasika
(iii) Paramarsha
(iv) Uchcharat Sansleshana
3. Member, Faculty Board - Arts and Humanities, Home Science & Science, Pt. R.S. Univ., Raipur
4. Chairman, Central Board of Studies of Philosophy, C.G. State
5. Chairman, Board of Studies of Philosophy, Pt. R.S. Univ., Raipur
6. Member, Board of Studies of Yoga, Dr. R.M. Lohiya Avadh Univ., Faizabad

7. Member, Board of Studies of Philosophy, Govt. Dig. (Auto.) P.G. College, Rajnandgaon
8. Member, Academic Planning & Evaluation Board, Pt. R.S. Univ., Raipur
9. Member, Academic Council, Pt. R.S. Univ., Raipur
10. Member, Executive Council, Pt. R.S. Univ., Raipur

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
JL Gahare	31 Akhil Bharatiya Prakriti Chikitsa Sammelan, Raipur	January 7-9, 2011
	Saksham Microsoft Academic Staff College, Pt.R.S.Univ.,Raipur	12.12.2011-22.12.2011
	Internation Conference on Yoga, Naturopathy and Arogya Expo-2012, Bengaluru	February 10-12, 2012
	7th Internation Conference Yoga and Youth : Classical and Contemporary Perspectives, Lonavla, Distt- Pune	December 27-30, 2012
	Academic Staff College, Pt. R.S.Univ., Raipur	January 28-30, 2013
	Doctors Management Training Camp, Jhinholi (Haryana)	28.02.2013-04.03.2013
	Swami Vivekanand Saardha Shati Samaroh Samiti, Pt.R.S.Univ., Raipur	September 14-16, 2013
	NRDC, Pt.R.S.Univ., Raipur	December 30-31, 2013
	Akhil Bharatiy Prakriti Chikitsa Parishad, Raipur	January 03-05, 2014
	National Seminar on Philosophy of Nagarjuna, Raipur	January 13-15, 2014
	Dvi-Divasiya Rajya Stariya Sangosthi, Sarva-Dharma Sammelan, Raipur	February 09-10, 2014
	"AIIMS BYSTANDER EMERGENCY CARE" Course, Pt., R.S.Univ., Raipur	February 01, 2014
Prakriti Chikitsa Sammelan, Katoli, Kanpur	February 13-15, 2015	

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects:
- percentage of students doing projects in collaboration with other universities/industry/institute

M.A.: 100% in-house project

M.Phil.: 100% in-house project

29. Awards/ recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students: 01 - Dr. Kaptan Singh visited Tokyo, Japan

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminar	National Seminar on Swami Vivekananda Saardha Shati Samaroh, Sept. 14-16, 2013	UGC	J shankar, Hambarde, OP Verma
	National Seminar on Ekatma Manav Darshan Evam Bharatvarsh ka Vikas. Dec. 30-31, 2014	Deptt. of Culture, Govt. of C.G.	RK Mishra

31. Code of ethics for research followed by the departments

- Institutional Ethics Committee for Human Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected(at entry level:1st semester		Pass percentage (total:2nd +4th semesters)	
		Male	Female	Male	Female
P.G. Diploma in Yoga Education & Philosophy					
2010-2011	08	05	03	71	29
2011-2012	06	03	03	40	60
2012-2013	04	02	02	33	67
2013-2014	04	02	02	50	50
2014-2015	14	03	11	23	69
2015-2016	40	24	16	-	-
M.A. Philosophy					
2013-2014	04	03	01	-	-
M.A. Applied Philosophy & Yoga					
2010-2011	16	01	07	25	75
2011-2012	14	05	03	00	83
2012-2013	12	01	03	30	70
2013-2014	11	03	05	14	86
2014-2015	18	08	03	43	57
2015-2016	34	10	11	-	-
M.Phil. Comparative Religion & Philosophy					
2010-2011	04	03	01	50	25
2011-2012	04	-	04	-	100
2012-2013	01	-	01	-	100
2013-2014	05	03	02	25	50
Ph.D. Philosophy					
2011-2012	02	01	01	-	-
2012-2013	01	01	-	-	-
2013-2014	03	-	03	-	-
2015-2016	03	01	02	-	-

33. Diversity of students

Name of the Program	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.A. Applied Philosophy & Yoga	2014-15	63	09	27	00
M.A. Philosophy	2013-14	75	00	25	00
M.A. Applied Philosophy & Yoga	2013-14	87.5	00	12.5	00
M.A. Applied Philosophy & Yoga	2012-13	100	00	00	00
P.G. Diploma in Yoga Education & Philosophy	2014-15	71.42	7.14	21.42	00
P.G. Diploma in Yoga	2013-14	100	00	00	00

Education & Philosophy					
P.G. Diploma in Yoga Education & Philosophy	2012-13	50	25	25	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S.No.	Name of Student	Exam	Year	Category
1.	Bhapendra Kumar Sahu	C.G.P.S.C.	2012-2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	90
PG to Ph.D.	14
Ph.D. to Post-Doctoral	-
Employed	
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	24
Entrepreneurs	51

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	50%
from other universities within the State	-
from universities from other States	50%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

<input type="checkbox"/> Internet facilities for staff and students	2
<input type="checkbox"/> Total number of class rooms	2+1= 3 Halls
<input type="checkbox"/> Class rooms with ICT facility	-
<input type="checkbox"/> Students' laboratories	-
<input type="checkbox"/> Research laboratories	-

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

i. Currently working (Registered/Admitted) for Ph.D.

S. No.	Name of Student	Guide	Year of Registration/ Admission	Subject
1.	Ranjana Mishra	B Singh	2011	Philosophy
2.	Mahendra Kumar Premi	A Chaudhary	2011	Philosophy
3.	Anita Giani	B Singh	2013	Philosophy
4.	Meenakshi Pimplapure	HS Alareja	2013	Philosophy
5.	Vandana Kale	HS Alareja	2013	Philosophy

ii. Post-doctoral: Nil

iii. Research Associates: Nil

b) from other institutions/universities

i. Currently working (Registered/Admitted) for Ph.D.

S. No.	Name of Student	Guide	Year of Registration/ Admission	Subject
1.	Shimanchala Pradhan	B Singh	2012	Philosophy

- ii. **Post-doctoral:** Nil
 iii. **Research Associates:** Nil

Doctoral Degree Awarded (2010-2015)

S. No.	Name of Student	Guide	Year	Subject
1.	Dhruv Shashwat	B Singh	2012	Philosophy
2.	Ajay Kumar Pandey	B Singh	2013	Philosophy

40. Number of post graduate students getting financial assistance from the university.

ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Since our university is fourth in the country to start P.G. Degree Course on Yogic Science, we have already submitted proposal to the government for the sanction of following positions.

1. Assistant Professor (Yoga) - 01
2. Instructor Male (Yoga) - 01
3. Instructor Female (Yoga) - 01
4. Assistant (Yoga) - 01

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	No
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	No

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	B Singh	P.G.Diploma in Yoga Edu. and Philosophy	2001	Professor, Head and Dean, Pt. Ravishankar Shukla University, Raipur (C.G.)
2.	BK Rao	D.Litt.	2001	(Retd. Prof.)
3.	JL Gahare	M.Phil.	1988	Associate Professor, Pt. Ravishankar Shukla University, Raipur (C.G.)
4.	HS Alareja	M.A., Ph.D.	1995	Associate Professor, Govt. Digvijay College, Rajnandgaon (C.G.)
5.	M Datey	M.Phil., Ph.D.	1998	Technical Officer, Pt. Ravishankar Shukla University, Raipur (C.G.)
6.	G Sharma	M.Phil., D.Litt.	2012	Assistant Professor, P.G.Daga College, Raipur (C.G.)
7.	L Sahu	M.A., Ph.D.	2003	Assistant Professor, Mahant Laxminarayan Das College, Raipur (C.G.)
In Administration:				
1.	MS Thakur	M.A., Ph.D.	1997	Tourist Officer, Deptt. of Tourism, Govt. of Chhattisgarh

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Program	Year	Invited Speaker
---------	------	-----------------

National Seminar		
International Philosophy Day	2011	RL Singh
Special Lecture		
Visiting Professor	2015	GN Mishra, Jatashankar

Conferences & Workshops: 2010-2015**Invited Lectures 2010-2015**

Invited Speaker	Year
RL Singh (Retd.), University of Allahabad	2011
Jatashankar, University of Allahabad	2013
RK Mishra (Retd.), University of Jammu	2014
GN Mishra (Retd.), University of Goa	2015
Jatashankar, University of Allahabad	2015

45. List the teaching methods adopted by the faculty for different programs.
- Instruction paradigm
 - Learning paradigm
 - Yogic practice paradigm
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Strategy
 - Staff Council
 - DRC
 - Feedback
 - Methodology
 - Discussion
 - Discussion with interaction
 - Filling Questionnaire
47. Highlight the participation of students and faculty in extension activities.
- Nil
48. Give details of “beyond syllabus scholarly activities” of the department.
- Lecture on International Philosophy Day
 - Extension Lecture
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Health Consciousness value enrichment and cleanliness.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Proud recipient of Swami Vivekananda Chair in XII FYP
2. Center is offering courses on science of Yoga

Weaknesses

1. Deficiency in manpower and research infrastructure
2. Limited extramural research funding

Opportunities

1. Scope for training Yoga teachers
2. Scope for research in the field of tribal philosophy

Challenges

1. Use of ICT in philosophy teaching and research
 2. To bring the subject philosophy in the main stream of knowledge creation
52. **Future plans of the department.**
1. To establish International centre for Yogic studies
 2. To make Swami Vivekananda Chair more vibrant for the knowledge enhancement

Evaluative Report of the Department

1. Name of the Department: School of Studies in Computer Science
2. Year of establishment: 1992
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc. (IT)	PG	Information Technology	2003
2.	M.C.A.	PG	Computer Applications	1998
3.	M.Phil.	Research	Computer Science	2005
4.	Ph.D.	Research	Computer Science	2002

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester – M.C.A. and M.Sc. (IT)
9. Participation of the department in the courses offered by other departments
Five-Year Integrated PG Program offered by the Center for Basic Sciences (CBS)
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	0
Associate Professor	2	1	1
Assistant Professor	3	1	1
Contract Teachers	-	-	7

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided in the last 5 Years	
					Ph.D.	M.Phil.
Sanjay Kumar	Ph D.	Associate Professor & Head	Parallel Computing, Computer Networking	18	(04)*	16
VK Patle	Ph D.	Assistant Professor	Database, Mobile Communication	13	0	11
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc. (IT)	M.C.A.
2010-2011	3.08	10.03
2011-2012	3.08	10.03
2012-2013	3.08	10.03
2013-2014	3.08	10.03
2014-2015	3.08	10.03
2015-2016	3.08	10.03

14. Program-wise Student Teacher Ratio

Session	M. Sc. (IT)	M.C.A.	M.Phil.
2010-2011	5:1	17:1	5:1
2011-2012	5:1	18:1	5:1
2012-2013	5:1	18:1	3:1
2013-2014	5:1	17:1	4:1
2014-2015	5:1	17:1	3:1
2015-2016	4:1	18:1	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	4	3	5
Administrative Staff	3	1	3

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Green Computing	CCOST	3
2.	Parallel Computing, Wireless Sensor Network, Image Processing, Data Mining	UGC, New Delhi	3

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
Sanjay Kumar	UGC, New Delhi	Automatic Elephant Detection System	2011-2013	1.96
VK Patle	UGC, New Delhi	A Study of Spatial Temporal Data Mining Technique with WSN	2011-2013	1.45
<i>Ongoing projects</i>				
Sanjay Kumar	CGCOST	Modelling of Green Computing in C.G.	2013-2016	5.00

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a)	State recognition	CCOST
b)	National recognition	UGC
c)	International recognition	-



21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications

Parameter	Number				Average SCOPUS
	SCOPUS		NON-SCOPUS		
	National	International	National	International	
o Number of papers published in peer reviewed journals (national/ international)	-	5	4	47	5
o Monographs	-				
o Chapters in Books	01				
1. A. K. Dwivedi, V.K. Patle, O.P. Vyas, Book Chapter: "Investigation on Effectiveness of Simulation Results for Wireless Sensor Networks", Book: Information Processing and Management, Book Series: Communications in Computer and Information Science (CCIS), Volume: 70, Page No.: 202-208, Publishing Year: 2010, Publisher: Springer-Verlag Berlin Heidelberg, Germany. ISBN 978-3-642-12213-2 (Print) 978-3-642-12214-9 (Online) (http://link.springer.com/chapter/10.1007/978-3-642-12214-9_34)					
o Edited Books	-				
o Books with ISBN with details of publishers	-				
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	SCOPUS	Google Scholar			
SCOPUS –h-Index (2); Citations (7) GOOGLE SCHOLAR – 68; h-Index (6); i10-Index – (2); Since 2010; Citations (60)	5	68			
o Citation Index – range/ average [Google Scholar]	1-16			4.0	
o Total citation [SCOPUS/ Google Scholar]	SCOPUS: 7 Google Scholar: 60				
o Impact Factor – range / average	0.286 – 2.793			0.917	
o h-index [Google Scholar/ SCOPUS]	Faculty		SCOPUS	Google Scholar	
	Sanjay Kumar		-	3	
	VK Patle		2	3	

Publications of Faculty

 Indian Journals;  Foreign Journals; JIF: 0.000
--

S Kumar

1. Purushottam Kewat, Bhavna Narain and Sanjay Kumar, (2015) "Green Computing and

- Environment”, **International Journal of Science and Research**, (ISSN 2319-7064) online. 10-11 April, 2015. [F]
2. Megha Jain, V.K. Patle, Sanjay Kumar, (2015) “Bitonic Sorting Algorithm: A Review”, **International Journal of Computer Application**, (ISSN 0975-8887) volume 113, No. 13, March 2015, pp 40-43. [F] [JIF: 0.715]
 3. Varsha Thakur and Sanjay Kumar, (2015) “A comparison of select Load Balancing Algorithm in cloud computing”, **The IUP journal of Computer Science** (0973-9904), vol. 9, No. 1, January 2015, pp 7-13. [I]
 4. Megha Jain, V.K. Patle, Sanjay Kumar, (2015) “Performance of Mobility models with different Routing Protocols by using Simulation Tools for WSN: A Review”, **International Journal of Advanced Research in Computer and Communication Engineering**, (ISSN online 2278-1021, print 2319-5940) volume 4, issue 1, January 2015 pp 57-61. [F] [JIF: 0.286]
 5. Yajnaseni Dash, Sanjay Kumar, V.K. Patle, (2015) “A Survey on Serial and Parallel Optimisation Techniques applicable for Matrix Multiplication Algorithm” in **American Journal of Computer Science and Engineering Survey** (ISSN : 2349-7238), AJCSES[3][1][2015]071-077. [F]
 6. Mithilesh Atulkar, A.S. Zadgaonkar, Sanjay Kumar, (2015) “Impulse Noise Removal Technique based on Fuzzy Logic”, Transactions on Machine Learning and Artificial Intelligence, Society for Science and Education, *United Kingdom*,(ISSN:2054-7390) volume 2, issue 6, pp 99-105. [F]
 7. Mithilesh Atulkar, A.S. Zadgaonkar, Sanjay Kumar, (2014) “A Fuzzy Logic based Contrast Enhancement Technique by Removal of Impulse Noise”, **International Journal of Advanced Research in Computer Engineering & Technology** (ISSN: 2278-1323) volume 3 issue 12, December 2014, pp 4332-4336. [F] [JIF: 2.793]
 8. Sonu Agrawal, Sushil Kumar, Sanjay Kumar, (2014) “A Novel idea for age invariant face recognition”, **International Journal of Innovative Research in Science, Engineering and Technology** (2319-8753), vol. 3, issue 8, August 2014 pp 15618-15624. [F] [JIF: 0.412]
 9. Varsha Thakur and Sanjay Kumar, (2014) “Load Balancing Algorithm: An Analytical Study”, **The IUP journal of Computer Science** (0973-9904), vol., April, 2014, pp 25-34. [I]
 10. Chanchal Sahu, Sanjay Kumar, Vinod Patle, (2014) “Analysis of AODV protocol in wireless scenario”, **International Journal of Engineering Research & Technology** (2278-0181), vol 3, issue 2, February, 2014, pp 2945-2949, [F] [JIF: 1.76]
 11. Rinki Kaur, Vinod Patle, Sanjay Kumar, (2014) “A Parallel algorithm to process harmonic progression series using Open Mp”, **International Journal of Engineering Research & Technology** (2278-0181), vol 3, issue 2, February, 2014, pp [F] [JIF: 1.76]
 12. Bhavana Narain, Sanjay Kumar, (2013) “Impact of Algorithms on Green Computing”, **International Journal of Computer Applications** (0975-8887) pp 111-113. From Proc. of International Conference on Green Computing and Technology at SIES Graduate School of Technology, Mumbai on 5-6 September, 2013 (Presented). Paper selected under Editor’s Choice. [F] [JIF: 0.715]
 13. Bhavana Narain, A.S. Zadgaonkar, Sanjay Kumar, (2013) “Histogram Equalization Techniques and its applications in eye”, **International Journal of Scientific and Engineering Research**, vol 4, issue 4, April 2013, pp 1176-1179. ISSN 2229-5518, [F] [JIF: 0.629]
 14. Bhavana Narain, A.S. Zadgaonkar, Sanjay Kumar, (2013) “Entropy as a Similarity Metric for Eye images”, **International Journal of Graphics and Image Processing**, vol 3, issue 1, February, 2013, pp 16-19. ISSN 2249-5452. [F]
 15. Vanya Rajput, Sanjay Kumar, V.K. Patle, (2012) “Performance Analysis of UMA and NUMA models”, **International Journal of Computer Science Engineering and Technology** (On Line Peer Reviewed Journal) ISSN 2231-0711, vol2, issue 10, October 2012, pp 1457-1458. [F]
 16. Bharti Sen and Sanjay Kumar, (2012) “An Automatic Parallelization in Multicore Computer using OMP”, **International Journal of Computer Science Engineering and Technology** (On Line Peer Reviewed Journal) ISSN 2231-0711, vol2, issue 10, October 2012, pp 1465-1467. [F]
 17. Sanjay Kumar, Bhavana Narain, Saurabh Kumar, (2012) “Monitoring techniques of Elephant Corridors, Chhattisgarh, India : A Perspective”, **International Journal of Applied Computing** (ISSN 0974-6277), vol. 5, No. 1, January-June 2012, pp 1-3. [F]

18. Bhavana Narain, B. Shameem, Sanjay Kumar, "Performance Evaluation of Security aware AODV Protocol", **International Journal of Computer Science and Knowledge Engineering** (0973-6735), vol 6, no. 1, January-June 2012, pp 45-47. [F]
19. Prem Chandrakar, Sanjay Kumar, Vinod Patle, (2011) "Applying Classification Techniques in Data Mining in Agriculture Land Soil", **International Journal of Computer Engineering** (0975-6116), July-December 2011, Volume 3, Number 2, pp 89-95. [F]
20. Bhavana Narain, Anuradha sharma, Sanjay Kumar, Vinod Patle, (2011) "Energy Efficient MAC Protocols for Wireless Sensor Networks : A Survey", **International Journal of Computer Science & Engineering Survey** (0976-2760), Vol. 2, number 3, August 2011, pp 121-131. [F]
21. Chandana Patnaik, Sanjay Kumar, V.K. Patle, "Modulation Techniques for WiMAX: A prespective", **Research Journal of Science and Technology** (0975-4393), vol. 3, number 2, April-June 2011, pp 95-98. [I]
22. Punita Kartikeyan, Sanjay Kumar, V.K. Patle, (2011) "Survey of routing protocols in Vehicular Ad Hoc Network", **Research Journal of Engineering and Technology** (0976-2973), vol. 2, number 2, April-June 2011, pp 72-76. [I]
23. Bhavana Narain, Sanjay Kumar, Prem Chandrakar, Vinod Patle, (2011) "Study of data mining techniques in classification of agricultural land soils", **International Journal of Advanced Research in Computer Engineering** (0974-4329)",vol. 5, number 1, January-June, 2011, pp 35-37. [F]
24. Swarmina Shrivastava, Sanjay Kumar, Vinod Patle, (2011) "Congestion control protocols in unicast, multicast and broadcast applications: a survey", **International Journal of Computer Engineering** (0975-6116), vol. 3, number 1, January-June, 2011, pp 1-6. [F]
25. Sunita Kushwaha, Bhavna Narain, Deepti Verma, Sanjay Kumar, (2011) "Effect of scenario environment on the performance of MANETs Routing Prortocol : AODV", **International Journal of Computer Engineering and Technology** (IJCET) (0976-6367), volume 2, number 1, December January (2011), pp 33-38. [F]
26. Bhavana Narain, V.K. Patle, Sanjay Kumar, (2010) "Performance Evaluation of Routing Protocol and Congestion Control Protocol in Wireless Multi-hop Networks", **International Journal of Computer Applications**, (0975-8887) Volume 11, No. 1, December 2010, pp 40-42. [F] [JIF: 0.715]

VK Patle

1. Yajnaseni Dash, Sanjay Kumar, V.K. Patle (2015) "A Survey on Serial and Parallel optimization Techniques Applicable for Matrix Multiplication Algorithm" **American Journal of Computer Science and Engineering Survey**, Vol 3, No 1 PP. 71-77. ISSN 2349-7238. [F]
2. Megha Jain, Sanjay Kuamr, V. K. Patle (2015) "Bitonic Sorting Algorithm: A Review" **International Journal of Computer Applications** " 11(1):40-43, March 2015. Published By Foundation of Computer Science. ISSN 0975-8887. (Impact Factor 0.715). [F] [JIF: 0.715]
3. Megha Jain, Sanjay Kuamr, V. K. Patle (2015) "Performance of Mobility Models with different Routing Protocols by using Simulation Tools for WSN: A Review" **International Journal of Advanced Research in Computer and Communication Engineering** Vol. 4, Issue 1,PP- 57-61, January 2105 : ISSN (online) 2278-1021, ISSN (Print) 2319-5940. [F] [JIF: 0.286]
4. Ishwar Prasad Sahu, D. P. Bisen, Nameeta Brahme, V.K. Patle, Raunak Tamrakar (2014) "Characterization Techniques and Mechanoluminescence Properties of Sr2SiO4: Eu2+ Phosphor by Solid State Reaction Method", **An International Peer – Reviewed Research Journal of Science and Technology (RJST)**, Vol.6 Issue 3, [Page No. 147-150] July-September, 2014, Remark: Published by A & V Publication, India. ISSN 0975-4393, 2349-2988(Online). [F] [JIF: 0.672]
5. V. K. Patle (2014) "Spatial – Temporal Data Mining in Wireless Sensor Networks", **An International Peer – Reviewed Research Journal of Science and Technology (RJST)**, Vol.6, Issue 2, [Page No. 87-90] April – June , 2014, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
6. Chanchal Sahu, Vinod Patle, Sanjay Kumar, (2014) "Analysis of AODV protocol in Wireless Scenario" **International Journal of Engineering Research & Technology** (2278-0181), Vol. -03, issue 2, February, 2014. [F] [JIF: 1.76]
7. Rinki Kaur, Sanjay Kumar, V. K. Patle (2014) "A Parallel Algorithm to Process Harmonic

- Progression Series Using Open MP”, **International Journal of Engineering Research & Technology (IJERT)** Vol.3, Issue 2, [Page No. 67-72], February 2014, ISSN: 2278-0181. [F] [JIF: 1.76]
8. Dhampal Ramtate, Sanjay Kumar, VK Patle (2013) “Power Consumption of Routing protocol in various Simulators: MANET.” **An International Peer – Reviewed Research Journal of Science and Technology (RJST)**, Vol.5, Issue 3, [Page No. 303-306] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 9. Rinki Kaur, Sanjay Kumar, V. K. Patle, (2013) “Analysis of Tunneling Transition Mechanism in IPv6”, **An International Peer – Reviewed Journal of Science and Technology (RJST)**, Vol.5, Issue 3, [Page No. 308-313] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 10. Kiran, Sanjay Kumar, V. K. Patle, (2013) “Effect of Selfish Nodes in Trust Base Route: MANET”. **An International Peer – Reviewed Journal of Science and Technology (RJST)**, Vol.5, Issue 3, [Page No. 327-330] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 11. Gargi Pandey, Sanjay Kumar, V. K. Patle, “Effect of Pause Time and Network Size in Various Routing Protocol: MANET”, **An International Peer – Reviewed Journal of Science and Technology (RJST)**, Vol.5, Issue 3, [Page No. 335-339] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 12. V. K. Patle, Aamir Hasan, Sanjay Kumar, (2013) “Performance Evaluation of AOMDV, AODV and DSR Reactive Routing Protocols using NS-2”. **An International Peer – Reviewed Journal of Science and Technology (RJST)**, Vol.5, Issue 3, [Page No. 343-346] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 13. Gargi Pandey, Sanjay Kumar & V.K. Patle, (2013).”Comparative study of Ns2 and Opnet Simulator for AODV and DSR Routing Protocol in MANET” **International Journal of Engineering Research & Technology (IJERT)** Vol.2, Issue 7, [Page No. 2392-2400], July 2013, ISSN: 2278-0181. [F] [JIF: 1.76]
 14. Dilip Kumar Soni, V. K. Patle, Sanjay Kumar, “Performance Evaluation of CBR and TCP Traffic Models using AOMDV Routing Protocols in MANET”. **Research Journal of Engineering and Technology (RJET)**, Vol.4, Issue 1 [Page No. 09-11], January – March 2013, Remark: Published by A & V Publication, India. ISSN 0976-2973. [F] [JIF: 0.847]
 15. A. Hasan, V.K. Patle, Sanjay Kumar, “Broadcast Based Reactive Routing Protocols in MANET: A Review” **International Journal of Technology (IJT)** (A Semi-Annually peer reviewed **International Journal of Engineering and Technology**), Vol.2, Issue 2, [Page No. 71-76], July – December 2012, ISSN: 2231-3907 (Print); ISSN: 2231-3915(Online). [F] [JIF: 0.847]
 16. Anuradha Sharma ,Sanjay Kumar & V.K. Patle (2012),” Study of Dumb Agent of MAC Layer in MANET”, **Research Journal of Engineering and Technology (RJET)** (A quarterly peer reviewed **International Journal of Engineering and Technology**), Vol.3, Issue 4, [Page No. 249-258], October – December 2012, Remark: Published by A & V Publication, India. ISSN 0976-2973. [F] [JIF: 0.847]
 17. Vanya Rajput, Sanjay Kumar, V. K. Patle, “Performance Analysis of UMA and NUMA Models” **International Journal of Computer Science Engineering and Technology (IJCSET)** October 2012 | Vol 2, Issue 10, PP 1457-1458 (ISSN: 2231-0711 (online version)). [F] [JIF: 0.478]
 18. Gitanjali Sinha, Sanjay Kumar, V.K. Patle “Performance Evaluation and Analysis of Table Driven and On-Demand Routing Protocols for MANETS based on Traffic Models” “**Research Journal of Engineering and Technology (RJET)** (A quarterly peer reviewed **International Journal of Engineering and Technology**), Vol.3, Issue 3, [Page No. 232-235], July-September, 2012, Remark: Published by A & V Publication, India. ISSN 0976-2973”. [F] [JIF: 0.847]
 19. Khalid Raza, V. K. Patle and Sandeep Arya “A Review on Green Computing for Eco-friendly and Sustainable IT” **Journal of Computational Intelligence and Electronic Systems**, Vol. 1, No.1, June 2012 pp 3-16, ISSN: 2326-3008 (Print); EISSN: 2326-3024 (Online). [F]
 20. Renuka Patel, Sanjay Kumar, Vinod Kumar Patle, “Motion Detection System Using Frame Differencing Technique” **International Journal of Fuzzy System and Rough System (IJFSRS)**, Vol.5, Issue 2, [Page No. 121-123] January-Jun, 2012, Remark: ISSN 0974-

- 858X. [F]
21. Bhavana Narain, Anuradha Sharma, Sanjay Kumar & Vinod Patle, (2011) “Energy Efficient MAC Protocols for Wireless Sensor Network: A Survey” **International Journal of Computer Science Engineering Survey (IJCSSES)** Vol.2, No. 3 August 2011, PP 121-131, ISSN: 0976-2760 (Online). [F]
 22. Bhavana Narain, Sanjay Kumar V. K. Patle, & Prem Kumar Chandrakar, (2011), “Study for Data Mining Techniques in classification of Agricultural land soils”, **Journal of Advanced Research in Computer Engineering**, Vol. 5, No. 1, Jan-Jun 2011, PP35-37, ISSN:0974-4320. [F] [JIF: 0.847]
 23. Swarnima Shrivastav, Sanjay Kumar & V. K. Patle (2011), “Congestion Control Protocols in Unicast, broadcast application: A Survey”, **International Journal of Computer Engineering** Vol.3, Number 1:1–06, January - June 2011. Published By International Science Press. ISSN: 975-6116. [F]
 24. Chandana Patnaik, Sanjay Kumar & V. K. Patle (2011),” Modulation Techniques for WiMAX: A Perspective” **Research Journal of Science and Technology (RJST)** (A bimonthly peer reviewed **International Journal of Science and Technology**), Vol.3, [Page No. 95-98] March -April 2011, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 25. Punita Kartikeyan, Sanjay Kumar & V.K. Patle, (2011), “Survey of Routing Protocols in Vehicular AdHoc Network”, Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed **International Journal of Engineering and Technology**), Vol.2, Issue 2, [Page No. 72-76], April – June 2011, Remark: Published by A & V Publication, India. ISSN 0976-2973. [F] [JIF: 0.847]
 26. Bhavana Narain, V. K. Patle, & Sanjay Kumar, (2010), “Performance Evaluation of Routing Protocol and Congestion Control Protocol in Wireless Multi-hop Networks”, “**International Journal of Computer Applications** 11(1):40–42, December 2010. Published By Foundation of Computer Science. ISSN 0975-8887. (<http://www.ijcaonline.org/archives/volume11/number1/1544-2052>) [F] [JIF: 0.835]
 27. A. P. Manu, Ankur Shishodia, V. K. Patle & O. P. Vyas (2010), “State of the Art of Cloud Computing and its Research Issues” Research Journal of Science and Technology (RJST) (A bimonthly peer reviewed **International Journal of Science and Technology**), Vol.2, Issue 6, [Page No. 117-128] Nov-Dec 2010, Remark: Published by A & V Publication, India. ISSN 0975-4393. [F] [JIF: 0.672]
 28. V. K. Patle, A. K. Dwivedi & O. P. Vyas (2010), “A Stance on Challenges with Current Internet and Approaches for Future Internet”, Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed **International Journal of Engineering and Technology**), Vol.1, Issue 1, [Page No. 11-17], January - March 2010, Remark: Published by A & V Publication, India. ISSN 0976-2973. [F] [JIF: 0.847]
23. Details of patents and income generated
None
 24. Areas of consultancy and income generated
None
 25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad
None
 26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify)

S Kumar

National committees

1. Chairman, Computer Society of India, Raipur Chapter
2. Joint Secretary, Institute of Engineers, Chhattisgarh state, Raipur

Editorial Board

1. Member, Journal of Ravishankar University, Part-B Science
2. Member, Research Journal of CSVTU, Bhilai

VK Patle

Any Other

1. Member, Board of Studies Computer Science, Pt. Ravishankar Shukla University.
2. Assistant Coordinator, Career Counseling Cell, Pt. Ravishankar Shukla University.
3. Member, Anti Ragging Squad Committee, Pt. Ravishankar Shukla University.
4. Supervisor, RSU-CAN, Pt. Ravishankar Shukla University.

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
S Kumar	Workshop on High Performance Computing at Indian School of Mines, Dhanbad, organised by C-DAC, Pune	29 th to 31 st June, 2015
	Workshop on "Parallel Computing Architecture & Applications on Multi Core Processing Systems PCAMS-2014" organised by CUDA centre of excellence, IIT Bombay & C-DAC Pune, held at IIT Bombay	16 th to 20 th June, 2014
	UGC sponsored Workshop on "Citation Index and Impact Factor" organised by Pt. Ravishankar Shukla University, Raipur	10-09-2011
	Training program on "Right To Information" organized by C.G. Administration Academy at Mantralay, Raipur	06 th , 7 th August, 2010
VK Patle	UGC Sponsored Workshop on Science Citation, Social Index, Impact Factor, Citation Index and h-Index of Refresh Publications by UGC Academic Staff College, Pt. RSU, Raipur	10 th Sep 2011
	Summer Research Fellowship Program by Indian Institute of Technology, Mumbai	May to July 2012
	National Workshop on IT Security and Ethical Hacking by Bhilai Mahila Mahavidyalaya, Bilai-Durg	11-12 January 2012
	UGC Sponsored Workshop on How to write Research Project by UGC Academic Staff College, Pt. RSU, Raipur	12-19 January 2012
	State Level Workshop on Recent IT Trends by M.J.College Bhilai Nagar.	19-20 September 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil. dissertation : 100% in house

MCA : 66% in house & 33% in industry/ institute

M.Sc.(IT) : 66% in house & 33% in industry/ institute

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Students

Fellowship

2010-2015

1. Manisha Israni: M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur, 2014
2. Yajnaseni Dasgupta: M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur, 2014

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

International Conferences : None

National Conferences

	Program	Source of funding	Outstanding participants
Conference	National Conference on "Recent Trends in Green Computing", October 24-26, 2013	UGC	Anil Kumar Sharma, S Sethi, KV Ravi Reddy, MKKowar, OP Vyas, AS Zhadgaonkar

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Human Ethics Committee (IEC)
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. (IT)					
2010-2011	37	7	12	86	85
2011-2012	49	4	16	80	92
2012-2013	47	4	15	100	89
2013-2014	66	6	13	56	83
2014-2015	51	1	19	100	76
2015-2016	71	11	9	-	-
MCA					
2010-2011	Admission is through CG-PRE MCA Entrance Exam and Counseling by DTE	33	26	76	88
2011-2012		40	16	67	84
2012-2013		35	25	76	94
2013-2014		36	23	74	85
2014-2015		30	30	73	78
2015-2016		29	30	-	-
M.Phil.					
2010-2011		3	7	67	71
2011-2012	33	3	6	100	33
2012-2013	24	3	4	100	83
2013-2014	11	2	5	100	100
2014-2015	34	0	5	-	80
2015-2016	23	3	7	-	-
Ph.D.					
2010-2011	122	-	-	-	-
2011-2012	-	-	-	-	-
2012-2013	79	-	01	-	-

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
M.Sc. (IT)	2010-11	12	07	-
	2011-12	18	02	-
	2012-13	18	01	-
	2013-14	17	01	-
	2014-15	18	02	-
	2015-16	19	01	-

MCA	2010-11	39	10	10
	2011-12	31	22	3
	2012-13	34	13	13
	2013-14	40	12	09
	2014-15	37	12	11
	2015-16	46	11	02
M.Phil.	2010-11	07	03	-
	2011-12	06	03	-
	2012-13	04	01	01
	2013-14	05	02	-
	2014-15	03	01	01
	2015-16	05	03	02
Ph.D.	2010-11	-	-	-
	2011-12	02	-	01
	2012-13	01	-	-
	2013-14	01	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Anil Sharma	Assistant Professor (PSC)	2010	General
2.	Kiran Bal Dubey	Assistant Professor (PSC)	2010	General
3.	Swati Jain	Assistant Professor (PSC)	2010	General
4.	Anuj Kumar Dwivedi	Assistant Professor (PSC)	2010	General
5.	Varsha Thakur	NET	2012	General
6.	Manu Rawani	NET	2013	General
7.	Dinesh Shukla	NET	2013	General
8.	Renuka Patel	NET	2014	OBC
9.	Nirmal Surange	NET-JRF	2011	General
10.	Dinesh Shukla	GATE	2013	General
11.	Om Prakash Hirwani	SET	2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	0.05
PG to Ph.D.	0.3
Ph.D. to Post-Doctoral	-
Employed	
<input type="checkbox"/> Campus selection	3
<input type="checkbox"/> Other than campus recruitment	33
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	50%
from other universities within the State	Nil
from universities from other States	50%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

None

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	05
c) Class rooms with ICT facility	01
d) Students' laboratories	02

e) Research laboratories	Nil
--------------------------	-----

39. List of doctoral, post-doctoral students and Research Associates

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of Admitted/ registration
1.	VK Patle	Sanjay Kumar	16/07/2013
2.	Varsha Thakur		16/07/2013
3.	Sunita		16/07/2013
4.	Renuka Patel		16/07/2013

Doctoral Degree Awarded 2010-2015 : None

a) from the host institution/university	Doctoral Students: 05
b) from other institutions/universities	Nil

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

	M.Sc. (IT)						Merit-cum-means	M.C.A.						Post Matric	M.Phil.		
	Caste	2010-11	2011-12	2012-13	2013-14	2014-15		Caste	2010-11	2011-12	2012-13	2013-14	2014-15		Caste	2013-14	2014-15
Post Matric	OBC	04	02	14	12	13	OBC	25	33	44	50	50	OBC	02	-		
	SC	01	Nil	03	01	01	SC	16	20	13	13	09	SC	01	-		
	ST	Nil	Nil	-	01	01	ST	01	09	17	16	14	ST	01	-		
	Minority					01	Minority			01	01	03	Minority	01	-		
Total		05	02	17	14	16	Total	42	62	75	80	76	Total	05	-		

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department no new program was introduced during the period of this assessment.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, During Staff council meetings, all the aspects of the teaching-learning evaluation are discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Written feedback is taken confidentially from the students of the entire course offered about the overall performance of teachers.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? Department organize Parent teacher meet regularly , and takes feedback from the alumni and parents about the progress of the department regarding the courses, research activity etc.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Kiran Bala Dubey	M.Phil.	2009	Govt. Science College, Raipur
2.	Ramesh Raj Dhruwe	MCA	2009	Assistant Programmer, PRSU
3.	Dhampal Ramtake	M.Phil.	2013	Assistant Professor, Science

				College, Raipur
4.	Sunita Kushwaha	M.Phil.	2009	Assistant Professor, Science College, Raipur
5.	Nehru Nirala	MCA	2009	DIO, NIC, Bijapur
6.	Anuj Kumar Dwivedi	M.Phil.	2009	Govt. P.G. College, Jashpur
7.	Minakshi Verma	MCA	2010	Sr. Software Engineer, Capgemini, Hyderabad
8.	Dinesh Shukla	MCA	2009	Assistant Programmer, District Court, Raipur
9.	Sudeep Rai	MCA	2009	Sr. Engineer, Ness Technologies,
10.	Gopesh Shriwas	MCA	2009	Sr. Developer, Bangaluru

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

- **Invited Lectures**

1. Lecture on “Ethical Hacking” by M. Sahu on 09/10/2014
2. Lecture on “Communication Skills” by Raj Bharti on 13/09/2014
3. Lecture on “Health Consciousness” by Rajesh Singh, Ex-Ranji Player on 13/03/2014
4. Lecture on “Cloud Computing” on 30/01/2014
5. Lecture on “Green Computing” by Surya Kulshreshthra & Harshvardhan Pandey
6. Lecture on “Object Oriented programming: JAVA” was given by Khalid Raza, Jamia Milia Islamia on 30/01/2013
7. Lecture on “Moral Values” was delivered by Shri Sriram Agrawal, Vivekanand Ashram, Raipur(C.G.) on 27th February 2013

- **Workshops**

1. Two days Android Workshop was organized on 7th and 8th November, 2014 by IIT Bombay

- **Webinar and Video Conferencing**

1. Live Video Conferencing of President’s address to IITs, NITs, Central Universities, etc. on 10th Aug 2015 at 12:30 pm. in the presence of all students of departments. Program was presided over by Vice Chancellor.
2. Web Conferencing for training of MATLAB Software was conducted on 25/03/2013.

- **Company Visit**

1. CHiPS (Chhattisgarh Infotech & Biotech Promotion Society) Data Centre was visited by MCA-IV Semester on 10/05/2013.

45. List the teaching methods adopted by the faculty for different programs.

- Class Room Teaching
- Power Point Presentation (LCD)
- Class room discussion
- Continuous Assessment

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

- Interactive method: Seminars/ Class presentations and Group discussions
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- By constantly reviewing and taking corrective steps accordingly in staff council meetings held regularly.
- Internal Assessment /Continues evaluation by Class test and Presentation.

47. Highlight the participation of students and faculty in extension activities.

- Participation in INSPIRE CAMP (Twice in a year)
- Internet facility is provided to University Campus
- Managing the University Website.
- Maintenance of RSU-CAN

48. Give details of “beyond syllabus scholarly activities” of the department.
- Department organizes lectures of subject experts from the institution of National/ International repute.
 - Seminars on latest technology and softwares are given by the students

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Yes, Review papers, Book Chapters written by the faculty

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Good infrastructure
- Nodal agency for maintenance of RSU-CAN of PRSU
- Offers job oriented programs

Weaknesses

- Research orientation of faculty
- Mobilization of funds through extramural agencies and research output
- No separate Research Lab

Opportunities

- Strengthening of EDUSAT facility on campus of university and affiliated colleges
- The subject has tremendous scope for job placement

Challenges

- Effective maintenance and optimum use of ICT facility in the campus
- Up-gradation of technologies
- To develop the School as a nodal center for skill development

52. Future plans of the department.

- Modernization of infrastructure facility for video-conferencing
- Enhancement of research activity and output

Evaluative Report of the Department

1. Name of the Department: School of Studies in Economics
2. Year of establishment: 1971
3. Is the Department is a part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M. A.	PG	Economics	1971
2.	M.Phil.	Research	Economics	1985
3.	Ph.D.	Research	Economics	1972

5. Interdisciplinary programs and departments involved

Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil.
- Semester - M.A. with CBCS

9. Participation of the department in the courses offered by other departments

Department - School of Studies in Law

Program - BALLB

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

Post	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor	1	1	0
Assistant Professor	5	4	3
Contract Teachers	-	-	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M. Phil. Students guided for the last 5 years	
					Ph.D.	M.Phil.
R Prasad	Ph.D.	Professor	Environmental Economics	31	5(2)*	9 (1)
AK Pandey	Ph.D.	Professor & Head	Research Methodology	30	5(4)	10(1)
RK Brahme	Ph.D.	Professor	Indian Economy	25	3(5)	10(2)
BL Sonekar	Ph.D.	Assistant Professor	Public Finance	12	(6)	10(2)
Archana Sethi	Ph.D.	Assistant Professor	Eco. of Dev. & Planning.	19	0	1(2)
SK Kumeti	Ph.D.	Assistant	Demography	08	0	1(2)

		Professor				
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, and Emeritus Professors:

Nil

13. Percentage of classes taken by temporary faculty – program-wise information :

Session	M.A.	M.Phil.	Ph.D. (Course work)
2010-2011	40.00	Nil	Nil
2011-2012	40.00	Nil	Nil
2012-2013	50.00	Nil	Nil
2013-2014	Nil	Nil	Nil
2014-2015	Nil	Nil	Nil
2015-2016	20.00 %	Nil	Nil

14. Program-wise Student Teacher Ratio

Session	M. A.	M.Phil.
2010-2011	6:1	1.1:1
2011-2012	7:1	1.7:1
2012-2013	7:1	1.7:1
2013-2014	8:1	1.7:1
2014-2015	7:1	1.5:1
2015-2016	7:1	1.4:1
Median	7:1	1.52:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	2	1	1
Administrative Staff	2	2	2

16. Research thrust areas as recognized by major funding agencies :

S. No.	Thrust Area	Funding Agency	Period
1.	Poverty	ICSSR	2011-13
2.	Agricultural Development	UGC	2012-14
3.	Rural Development	National Power Grid	2014-15

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise

PI/ Co-PI	Title of the Project	Year	Funding Agency	Amount (INR in Lac)
<i>Completed Projects</i>				
R Prasad	BPL Families: Programs and their Impact-A Study to Examine the Impact of Support to BPL Families in C.G.	2011-13	ICSSR, New Delhi	6.74
R Prasad	Impact of Liberalization on Development of Agro-industries: An Empirical Study of Raipur Distt. of Chhattisgarh.	2012-14	UGC, New Delhi	8.24
R Prasad	Economic Survey of Missing Children (joint initiative of five departments)	2014-15	Govt. of C.G.	8.00
AK Pandey	Impact Evaluation and Assessment of RAP Implementation at Bhatapara C.G. for POWERGRID Corporation of India Ltd.	2014-15	National POWER GRID, Govt. of India	0.728

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with:

a) state recognition	Recognized for Socio Economic study on Missing Child 2014-15
b) national recognition	Centre Recognized for Power Grid, 2014-15
c) international recognition	Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national / international)	49	Nil	8.17 per faculty
o Monographs	-		
o Chapters in Books	-		03
o Edited Books	-		
o Books with ISBN with details of publishers			

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

R Prasad

- Prasad, R. and Priyanka Kukreja (2014). The Socio-economic Problems of Minorities in Raipur City -An Economic Analysis, **Asian Journal of Social Science Review**, 5(2), ISSN: 2249-4634. [I]
- Prasad, R. (2013). Analytical Study of Poverty alleviation programs in India, **Indian Journal of Humanities**, 3(4), ISSN: 2248-9541. [I]
- Prasad, R. (2013). Plan Outlay and Expenditure in Delhi, **Indian Journal of Humanities**, 3(1), ISSN: 2248-9541. [I]
- Prasad, R., (2013) "Poverty and Indebtedness among Gond Tribes of Vindychal Region: A Case Study, **Indian Journal of Humanities**, 3(2), ISSN: 2248-9541. [I]
- Prasad, R., (2011) "Chhattisgarh Gramin Bank and its Impact on Tribal Economy – A case Study, **Jharkhand Journal of Social Development**, 4(1&2), ISSN: 0974-651X [I]

AK Pandey

- Mal, Monali and Amarkant Pandey, (2014) "Assessment of Cotton Availability for Domestic Demand in India for Generating Value Addition", **International Journal of Physical & Social Sciences**, 4(9), ISSN: 2249-5894. [I]
- Mal, Monali and Amarkant Pandey, (2013) "Instability and Relative Growth Trend Analysis of Area, Production and Productivity of Cotton Crop in India", **International Journal of Agriculture Economics and Management**, 3(2) ISSN: 2277-3215. [I]
- Ratre, Shanti Ram, Mishra, Purnima And Amarkant Pandey, (2014) "Changes in Cropping Pattern and Cropping Intensity in Chhattisgarh State", **Journal of Agricultural Issue**, 19(1) ISSN: 0971-3395. [I]
- Ratre, Shanti Ram, Mishra, Purnima And Amarkant Pandey, (2014) "Dynamics of Land Use Pattern in Chhattisgarh State", **Lab to Land**, 6(22). ISSN: 0975-282X. [I]

5. Warwde, Shweta, Pandey, A.K. and Vinod Kumar Joshi, (2015) "A Study on Growth and Variability in the Production of Rice in the State of Bihar (1985-86 To 2009-10), **Global Journal of Multidisciplinary Studies**, 4(8), ISSN: 2348-0459. [I] [JIF: 2.389]
6. Pandey, A. K., Radha Pandey and Manisha Pandey (2015). Problem of Poor Women in Urban Informal Sector in India: Some Policy Implications, **Journal of Ravishankar University**, 19-21, ISSN: 0970-5910. [I]

R Brahme

1. Brahme, Ravindra, (2011) "Democratic Decentralization and Empowerment of Scheduled Tribe Women in Rural Chhattisgarh", Indian, **Journal of Social Development**, Serial publication, 11(1), ISSN: 0972-3692. [I]
2. Ravindra Brahme, (2014) "An Analysis of Human Development in Chhattisgarh", **Lab to Land**, 3(9) ISSN: 0975-282X. [I]
3. ब्रह्म, रवीन्द्र, सुनील कुमेटी एवं अनिल चौधरी (2012) "छत्तीसगढ़ में सूक्ष्म वित्त की प्रवृत्ति का विश्लेषण", आर्थिकी, 32(4), ISSN: 0973-3434. [I]

BL Sonekar

1. सोनेकर, बी. एल. एवं भूमिराज पटेल (2013) कृषि एवं ग्रामीण विकास (भारत में पंचवर्षीय योजना के संदर्भ में), **Research Journal of Humanities and Social Science**, 4(1) ISSN: 0975- 6795. [I]
2. सोनेकर, बी. एल. एवं रजना महिलांगे (2013) छत्तीसगढ़ राज्य की कोसा उद्योगों की उत्पादन स्थिति (कोरबा जिले के विशेष संदर्भ में), **Research Journal of Humanities and Social Science**, 1(2), ISSN: 2347-5145. [I]
3. सोनेकर, बी. एल. (2014) महिलाओं की स्वास्थ्य स्थिति का एक विश्लेषणात्मक अध्ययन, **International Journal of Reviews and Research in Social Science**, 2(2), ISSN: 2347-5145. [I]
4. सोनेकर, बी. एल. एवं कुमेटी, सुनील कुमार, (2013). भारत में मानव संसाधन एवं आर्थिक विकास, **Journal of Ravishankar University**, 16-18, ISSN: 0970-5910, [I]
5. सोनेकर, बी. एल. एवं सेठी, अर्चना (2015) भारत में महिला सशक्तिकरण और समावेशी विकास, **Mind and Society**, 4(1), ISSN: 2277-6907. [I]
6. सेठी, अर्चना एवं सोनेकर, बी. एल. (2015) अनुसूचित जनजाति एवं मानव विकास, **Mind and Society**, 4(1), ISSN: 2277-6907. [I]
7. सोनेकर, बी. एल. (2015) ग्रामीण विकास में कृषि की भूमिका (छत्तीसगढ़ के संदर्भ में), **Research Journal of Social and Life Science**, XVIII-II, ISSN: 0973-3914, [I] [JIF: 1.776 (IIFS)]
8. साहू, भारती एवं सोनेकर, बी. एल. (2015) भिलाई इस्पात संयंत्र द्वारा विकास हेतु निदर्श ग्रामों में आय उपयोग एवं बचत का अध्ययन, **Research Journal of Social and Life Science**, XVIII-I, ISSN: 0973-3914. [I] [JIF: 1.776(IIFS)]
9. सोनेकर, बी. एल. (2010) छत्तीसगढ़ राज्य के ग्रामीण विकास में शिक्षा का महत्व, **Shodh-Prakalp**, Vol. 01, ISSN: 097-6459 [I]
10. सोनेकर, बी. एल. (2010) भारतीय समाज में जनसंख्या एवं बिगाड़ता लिंगानुपात, **DMV Journal**, Vol. 3, ISSN: 0976-3007. [I]
11. सोनेकर, बी. एल. (2010) जनसंख्या का आर्थिक विकास पर प्रभाव, **Research Journal of Humanities and Social Sciences**, vol.1, ISSN: 2347-5145. [I]
12. सोनेकर, बी. एल. (2011) जनजाति महिलाओं की साक्षरता एक अध्ययन, **Research Journal of Humanities and Social Sciences**, , vol.2, ISSN: 2347-5145. [I]
13. सोनेकर, बी. एल. (2011) भारतीय लोकतंत्र में महिला राजनीतिक सहभागिता: एक समाजशास्त्रीय विश्लेषण, **Research Journal of Humanities and Social sciences**, vol. 2, ISSN: 2347-5145. [I]
14. Sonekar, B. L. (2011) A Study of Employment in Non-Sector with Reference to Fisheries in Chhattisgarh, **Research Journal of Humanities and Social Sciences**, vol. 2, ISSN: 2347-5145. [I]
15. सोनेकर, बी. एल. (2012) छत्तीसगढ़ में जनजातियों पर शिक्षा योजनाओं का प्रभाव, **Regional Tribal Convention**, [I]

A Sethi

1. सेठी, अर्चना, (2010) "छत्तीसगढ़ के चॉपा जिले में कुटीर उद्योग एवं उसमें कार्यरत श्रमिकों की आय एवं रोजगार का विश्लेषण, **Research Journal of humanities and social science**, 1(1) ISSN: 2347-5145. [I]
2. सेठी, अर्चना, (2011) छत्तीसगढ़ में नगरीकरण की प्रवृत्ति, **Research Journal of Humanities and Social Science**, 2(3), ISSN: 2347-5145. [I]
3. सेठी, अर्चना एवं शर्मा, गौरी (2011) बस्तर प्रक्षेत्र में भूमि उपयोग में परिवर्तन, **एजुकेशन वेब**, 3, ISSN: 0975-8771. [I]

4. सेठी, अर्चना, (2011) छत्तीसगढ़ के जांजगीर चोंपा जिले में बालिकाओं का घटता अनुपात – एक विश्लेषण, **शोध समीक्षा एवं मूल्यांकन**, 3(33), ISSN: 0974-2832. [I]
5. सेठी, अर्चना, (2012) भारतीय कृषि में जनसंख्या का बढ़ता, **Research Journal of Humanities and Social Science**, 3(2), ISSN: 2347-5145. [I]
6. सेठी, अर्चना, (2012) छत्तीसगढ़ में साक्षरता विकास एवं आर्थिक, **Educational waves**, vol-4, ISSN: 0975-8771. [I]
7. सेठी, अर्चना, (2012) कृषि विशेषताएं, समस्याएं एवं संभावनायें, **शोध संप्रेषण**, 2(2), ISSN: 097-6459 [I]
8. सेठी, अर्चना एवं सेनगुप्ता, वृंदासेन (2012) छ.ग. में अनुसूचित जनजातियों की जनांकिकीय विशेषताएं, **शोध उपक्रम**, 17(33), ISSN: 0976-7894. [I]
9. सेठी, अर्चना, (2013) छत्तीसगढ़ में स्त्री-पुरुष अनुपात: जिले एवं धर्मानुसार विश्लेषण, **एडू जंक्शन**, 2(2), ISSN: 2278-3938. [I]
10. सेठी, अर्चना, (2013) छत्तीसगढ़ में स्त्री पुरुष अनुपात, **Educational waves**, vol. 4, ISSN: 0975-8771. [I]
11. Sethi, Archana, (2013) Agricultural development in five years plans, **Indian journal of Humanities**, 3(2), ISSN: 2248-9541. [I]
12. Sethi, Archana, (2013) Impact of female education on Migration (with special Reference to Janjgir-Champa district), **Asian journal of social science Review**, 4(2), ISSN: 2249-4634. [I]
13. Sethi, Archana, (2014) Regional Inequality and Inclusive Growth, **The Public: Problem and Solution**, 3(2), ISSN: 2320-4540. [I]
14. सेठी, अर्चना, (2014) मनरेगा योजना एक लाभ अनेक, **International Journal of Advances in social sciences**, Vol-2, ISSN: 2347-5153. [I]
15. सेठी, अर्चना, (2014) जांजगीर चोंपा जिले में शस्य गहनता एवं कृषि दक्षता एक प्रतीक अध्ययन, **Research Journal of humanities and social science**, 5(2), ISSN: 2347-5145. [I]
16. सोनेकर, बी. एल. एवं सेठी, अर्चना (2015) भारत में महिला सशक्तिकरण और समावेशी विकास, **Mind and Society**, 4(1), ISSN: 2277-6907. [I]
17. सेठी, अर्चना एवं सोनेकर, बी. एल. (2015) अनुसूचित जनजाति एवं मानव विकास, **Mind and Society**, 4(1), ISSN: 2277-6907. [I]

SK Kumeti

1. ब्रम्हें, रवीन्द्र, सुनील कुमेटी एवं अनिल चौधरी (2012) “छत्तीसगढ़ में सूक्ष्म वित्त की प्रवृत्ति का विश्लेषण”, **आर्थिकी**, 32(4), ISSN: 0973-3434. [I]
2. सोनेकर, बी. एल. एवं कुमेटी, सुनील कुमार (2014). भारत में मानव संसाधन एवं आर्थिक विकास, **Journal of Ravishankar University**, 12-18, ISSN: 0970-5910. [I]

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated :

Nil

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

- Institution Visited - Florida International University Florida USA

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

R Prasad

Editorial Boards

1. Member, IJH, Agartala, Tripura

AK Pandey

Editorial Boards

1. Member, Shodhprakalp, Raipur (CG)
2. Member, RJHSS, Raipur (CG)
3. Member of Editorial Board of An International Research Journal Lab to Land, Publication

of the Chhattisgarh Medico Informatics Society, Raipur

R Brahme

Editorial Boards

1. Co-Editor, Journal of Ravishankar University, Part A (Social Science and Humanities)
2. Board of Advisors, Research Fronts, A Peer Reviewed Journal of Multiple Sciences, Arts and Commerce

Any other: Members in Professional Body

R Prasad

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association

AK Pandey

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association
3. Life Member, Indian Social Science Congress

R Brahme

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association

BL Sonekar

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association

Archana Sethi

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association

SK Kumeti

1. Life Member, Indian Economic Association
2. Life Member, Chhattisgarh Economic Association

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
BL Sonekar	Workshop on Data Analysis: Use of SPSS	January 6-12, 2014
	Workshop on Development of Communication Skills	October 5-11, 2015
Archana Sethi	Special Summer School, Academic Staff College, Pt. R.S.U. Raipur.	July 08- 28, 2013
	Capacity Building Program, ASC, PRSU, Raipur	16 – 25 Aug. 2013
	Orientation program, Academic staff college, Pt. R.S.U. Raipur.	Aug. 19 To Sep. 15, 2014
SK Kumeti	Orientation Program, "Teachers need Teachers" ASC, PRSU, Raipur	Jan 03-31, 2012

28. Student projects
- Percentage of students who have done in-house projects including inter-departmental projects
 - Percentage of students doing projects in collaboration with other universities/industry/institute.

M.Phil.: 100% in-house projects

29. Awards/ recognitions received at the national and international level by.
- Faculty
 - Doctoral / post doctoral fellows

□ Students

Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

S. No.	Name of Seminars/ Conferences/ Workshops	Dates	Source of Funding	Outstanding Participants
<i>National</i>				
1.	National Conference on "Faster, Sustainable and Inclusive Growth"	01-03 Feb. 2012	UGC	AK Gaur, AK Tomar, SK Mishra
2.	Capacity Building Program	16-25 Aug. 2013	ICSSR	Kanhaiya Ahuja, SC Joshi
3.	VI Annual Conference of Chhattisgarh Economic Association & Golden Jubilee National Seminar on "Role of Banks and Financial Institutions in Economic Development"	Aug. 31- Sep. 02, 2013	UGC & CG-COST	Prakash Bakshi, Ashwini Mahajan, Ganesh Kawadiya, Tapan Choure, KC Jain, Sagar
4.	Special Summer School on Research Methodology	08-28 July 2013	UGC and Under Joint Auspices with the HRDC	BKS Ray, SC Joshi, NDR Chandra, NP Pathak, KC Jain
5.	शोध मार्गदर्शकों की दो दिवसीय आवासीय कार्यशाला "एकात्म मानव दर्शन के प्रकाश में विकास के मॉडलस"	26-27 Feb. 2015	Govt. of C.G.	

31. Code of ethics for research followed by the departments.

- Departmental Research Committee (DRC) monitors research activities of the department

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
<i>M. A.</i>					
2010-2011	31	17	14	100.00	100.00
2011-2012	42	24	17	100.00	100.00
2012-2013	40	15	25	100.00	100.00
2013-2014	46	20	26	100.00	100.00
2014-2015	45	23	22	100.00	100.00
<i>M. Phil.</i>					
2010-2011	26	00	07	100.00	100.00
2011-2012	31	02	08	100.00	100.00
2012-2013	42	06	04	100.00	100.00
2013-2014	36	04	06	100.00	100.00
2014-2015	30	03	06	66.67	100.00

33. Diversity of students

Name of the Program [Refer to Question # 4]	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
<i>M.A.</i>				
2010-11	87.09	6.45	6.46	Nil
2011-12	85.36	12.19	2.45	Nil
2012-13	92.50	7.50	00.00	Nil
2013-14	86.95	8.70	4.35	Nil
2014-15	92.50	Nil	7.50	Nil

M. Phil.				
2010-11	100.00	Nil	Nil	Nil
2011-12	80.00	10.00	10.00	Nil
2012-13	90.00	10.00	Nil	Nil
2013-14	100.00	Nil	Nil	Nil
2014-15	100.00	Nil	Nil	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Vinod Koma	UGC-NET	2010	ST
2.	Omprakash Baghel	UGC-NET	2013	SC
3.	Ashok Kumar Patel	UGC-NET	2014	OBC
4.	Omprakash Baghel	CG-SET	2013	SC
5.	Vinit Sahu	CG-SET	2013	OBC
6.	Upendra Sahu	CG-SET	2013	OBC
7.	Nilamber Patel	CG-SET	2013	OBC
8.	Sharaddha Mishra	CG-SET	2013	GENERAL
9.	Archana Sethi	CG PSC AP	2012	OBC
10.	Sunil Kumar Kumeti	CG PSC AP	2012	ST
11.	Shashi Kiran Kujur	CG PSC AP	2012	ST
12.	Bhumi Raj Patel	CG PSC AP	2012	OBC
13.	Hansraj Thakur	CG PSC AP	2012	ST
14.	Anuradha Tirkey	CG PSC AP	2012	ST
15.	Kusum Chandrakar	CG PSC AP	2012	OBC
16.	Sangeeta Jha	CG PSC AP	2012	GEN.
17.	Rashmi Pandey	CG PSC AP	2012	GEN.
18.	Anshumala Chandangar	CG PSC AP	2012	OBC
19.	Hemlata Ramteke	CG PSC AP	2012	SC
20.	Vinod Koma	CG PSC AP	2012	ST
21.	Firoj Sonwani	CG PSC AP	2012	SC

35. Student progression (Total Percent for years)

Student progression	Percentage against enrolled
UG to PG	NA
PG to M. Phil.	35.55
PG / M. Phil. to Ph. D.	58.34
Ph. D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	Nil
Entrepreneurs	

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	100.00
from other universities within the State	-
from universities from other States	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	03
c) Class rooms with ICT facility	Nil

d) Students' laboratories	Nil
e) Research laboratories	Nil

39. List of doctoral, post-doctoral students and Research Associates

S. No.	Name of Student	Guide	Year	Subject
1.	Shail Prabha Koshta	R Prasad	2011	Economics
2.	Preeti Vaishnav	R Prasad	2012	Economics
3.	Sangeeta Singh	R Prasad	2012	Economics
4.	Savita Dahariya	R Prasad	2013	Economics
5.	Anshu Verma	R Prasad	2013	Economics
6.	Jacob Marium	R Prasad	2013	Economics
7.	Kalpana S. Kumar	R Prasad	2014	Economics
8.	Priyanka Kukreja	R Prasad	2015	Economics
9.	Hansraj Thakur	AK Pandey	2011	Economics
10.	Monika Agrawal	AK Pandey	2011	Economics
11.	K R Pisda	AK Pandey	2013	Economics
12.	Soniya Lucus	AK Pandey	2013	Economics
13.	Manisha Pandey	AK Pandey	2014	Economics
14.	Monali Mal	AK Pandey	2014	Economics
15.	Satya Prakash Mishra	Ravindra Brahme	2011	Economics
16.	Bhoomi Raj Patel	Ravindra Brahme	2011	Economics
17.	Sunil Kumar Kumeti	Ravindra Brahme	2012	Economics
18.	Shashi Kiran Kujur	Ravindra Brahme	2012	Economics
19.	S Radha Rani	Ravindra Brahme	2013	Economics
20.	J S Viridi	Ravindra Brahme	2014	Economics

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Nil

42. Does the department obtain feedback from - Yes

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Through analyzing the Feedback data
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Through analyzing the Feedback data
c) Alumni and employers on the programs offered and how does the department utilize the feedback? Through analyzing the Feedback data

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name of Alumni	Position Held
1.	Prakash Bakshi	Chairman, NABARD, Mumbai
2.	Rajgopal	Professor, Mauritius University
3.	Brajesh Misra (IAS)	Collector, Dist. Balod, Govt. of Chhattisgarh
4.	Rajkumar Tiwari	Commissioner, Govt. of Chhattisgarh
5.	KR Pisda (IAS)	Secretary, GAD, Govt. of Chhattisgarh
6.	Vidhan Mishra	Ex. Industry Minister, Govt. of Chhattisgarh
7.	Ashok Tiwari	Add. Collector, Govt. of Chhattisgarh
8.	AK Pandey	Prof. & Head, SoS in Economics and Dean, Social Science, PRSU Raipur (CG)
9.	Ravindra Brahme	Professor and Chairman, Board of Studies, SoS in Economics, Pt. RSU Raipur (CG)
10.	Manisha Dubey	Professor, Guru Ghasidas Central University Bilaspur (CG)

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.
1. Organized Annual Conference of Chhattisgarh Economic Association- “Faster, Inclusive and Sustainable Development” - Feb. 01-03, 2012.
 2. Workshop - Capacity Building Program, ICSSR, Aug. 17-26, 2013.
 3. Organized Golden Jubilee National Seminar on Role of Banks in Economic Development- Aug. 31- Sep. 02, 2013.
 4. Invited Lecture by Usha Dubey, Former Head, School of Studies in Economics, Pt. RSU Raipur on Sustainable Development on 15.02.2014.
 5. Invited Lecture by P Raghavan, IAS on Status of Natural Resources in Indian Economy on 19.02.2014.
 6. Invited Lecture by K Subramaniam, Chairman, Chhattisgarh Professional Examination Board, Raipur on Environment and Development 01.03.2014.
45. List the teaching methods adopted by the faculty for different programs.
- Traditional Methods
 - Learning through Audio-Visual Method
 - Interaction through Lecture
 - LCD
 - Group Discussion
 - Weekly Seminar
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Staff Council
 - DRC (Departmental Research Committee)
 - Feedback
 - Attendance
 - Internal Assessment
47. Highlight the participation of students and faculty in extension activities.
- Through Educational Survey
48. Give details of “beyond syllabus scholarly activities” of the department
- Nil
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- There is no provision of accreditation for individual program/department
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Yes; Reviews written by faculties work as resource materials in other Universities.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
- Young and dynamic faculty members with research aptitude
 - Good demand ratio
- Weaknesses**
- Lack of Linkages with other Industries/ Institutions
 - Publication in high standard journals
- Opportunities**
- Scope of welfare studies for socio-economic conditions of tribes of the State
 - Efforts to obtain national and International funding
 - Consultancy in the diverse fields of social sciences
- Challenges**
- Initiative for effective research output and publication

- Linkages with other Industries/ Institutions

52. **Future Plans of the department.**

- Offer innovative courses to cater societal needs
- Effective linkage and outreach activities

Evaluative Report of the Department

1. Name of the Department: School of Studies in Electronics and Photonics
2. Year of establishment: 1994
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Electronics	1994
2.	Ph.D.	Research	Electronics	1994
3.	M.Phil.	Research	Electronics	2007
4.	M. Tech.	PG	Optoelectronics and Laser Technology	2008
5.	B. Voc.	UG	-	2015

5. Interdisciplinary programs and departments involved
 - Program: M-Tech – Optoelectronics and Laser technology
 - Department involved: Jointly organized by School of Studies in Electronics & Photonics and School of Studies in Physics and Astrophysics since year 2008.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester - M.Sc., M-Tech. with Choice Based Credit System from the Academic Session: 2015-16, B. Voc.
9. Participation of the department in the courses offered by other departments
From the session 2015-16, M.Sc. Electronics Students will have to earn extra at least 06 credits through the minor Electives offered by other departments of the University.
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor	3	1	-
Assistant Professor	4	-	-
Contract Teachers	-	-	4
Guest Faculty	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. Students guided in the last 5 Years	
					Ph.D.	M.Phil.
S Tiwari	M.Sc., M.Phil. Ph.D., M.Sc.	Professor	Computational Electronics, Fabrication &	28	3(2)*	2

			Device Simulation of Organic Devices			
K Thakur	BE, ME, Ph.D.	Professor & Head	Speech, Image signal Processing and controls	22	6(1)	0
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

1. Professor V K Mishra, 2010
2. Professor B P Chandra, 2014

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc.	M.Phil.	M. Tech.
2010-2011	74.88	0	44.44
2011-2012	86.25	66.66	61.00
2012-2013	81.54	0	62.50
2013-2014	74.42	0	57.73
2014-2015	74.40	0	71.24
2015-2016	80.95	0	72.72

14. Program-wise Student Teacher Ratio

Session	M. Sc.	M.Phil.	M. Tech.
2010-2011	5.8:1	NIL	2.3:1
2011-2012	3.3:1	1:2	1.7:1
2012-2013	3:1	NIL	1.1:1
2013-2014	4.3:1	NIL	1.5:1
2014-2015	4.1:1	NIL	2.2:1
2015-2016	5.1:1	NIL	3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Year	Technical Staff			Administrative Staff		
	Sanctioned	Filled	Actual	Sanctioned	Filled	Actual
2010-2011	03	02	02	02	01	01
2011-2012	03	02	02	02	01	01
2012-2013	03	02	02	02	01	01
2013-2014	03	02	03	02	01	01
2014-2015	03	02	03	02	01	01
July 2015- Dec. 2015	03	02	03	02	01	01

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Signal Processing	CCOST, Raipur	2008-2010
2.	Optoelectronics	International Fulbright Commission Washington USA	2010-2011
3.	Optoelectronics (Polymer LED)	CCOST, Raipur	2009-2012
4.	Optoelectronics	University Grants Commission ,New Delhi	2009-2012
5.	Optoelectronics (Solar cell)	University Grants Commission ,New Delhi	2009-2012
6.	Optoelectronics	Defence Research & Development Organization	2013-2016

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Ongoing projects</i>				
S Tiwari	Defense Research & Development Organization	Electrical & Optical modeling of Organic Solar cells for efficient solar Spectrum harvesting	2013-2016	26.10
<i>Completed projects</i>				
S Tiwari	UGC, New Delhi	Design and Characterization of Polymer Light Emitting Diodes	2009-2012	9.71
S Tiwari	CCOST, Raipur	Design and Simulation of Organic Electroluminescent Devices	2009-2012	2.00
S Tiwari	UGC, New Delhi	Simulation of Organic Solar Cells	2009-2012	3.00
S Tiwari	International Fulbright Commission Washington USA	Fabrication and modeling of PbS /TiO ₂ Quantum Dot Photovoltaic Devices	2010-2011	14.27
K Thakur	CCOST, Raipur	Design and Implementation of Image Enhancement Techniques in Frequency Domain	2008-2010	2.00

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
International	International Fulbright Commission Washington USA	USIEF	14.27	2010-2011

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a)	State recognition	CCOST
b)	National recognition	National Recognition Centre in Optoelectronics, Computation Electronics with state of art facilities in Thin film deposition & device simulation
c)	International recognition	Through MOU with University of California, Santa Cruz recognised as Centre for Device Simulation

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number				Average
	SCOPUS		NON-SCOPUS		SCOPUS
	National	International	National	International	
o Number of papers published in peer reviewed journals (national/ international)	1	4	22	37	2.5/ faculty

○ Monographs	-	
○ Chapters in Books Luminescent Nanomaterials and their Applications by Sanjay Tiwari and Jatinder V. Yakhmi Solid State Phenomena published by Trans Tech Publishers, Switzerland	01	
○ Edited Books	-	
○ Books with ISBN with details of publishers S Tiwari 1. Pulse-Induced Mechanoluminescence In Coloured Alkali Halide Crystals: Rajput Namita & Tiwari Sanjay Scholar Press 2014 (978-3 -639-70258-3) K Thakur 1. Title of the Book- Phonetic parameters for status recognition of pregnant women Author- ThakurKavita&ZadganokarA. S. Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN-978-3-8465-4338-2. Published on the: 10.02.2012. 2. Title of the Book- A Practical Approach to Frequency Domain Image Enhancement Methods. Quality Assessment of Digital Images. Author- Sinha G R , KowarM K , Thakur Kavita, Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN-978-3-659-17007-2. Published on the: 28-06-2012	03	
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	SCOPUS 10	Google Scholar 63
○ Citation Index – range / average [Google Scholar]	1 - 9	
○ Total citation [Google Scholar/ SCOPUS]	Google Scholar: 207 SCOPUS: 5	

○ Impact Factor – range / average	Range: 0 - 1.955	0.877
○ h-index [Google Scholar/ SCOPUS]	Faculty	SCOPUS
	S Tiwari	01
	K Thakur	01
		Google Scholar
		05
		03

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

S Tiwari

- 1 Tiwari Sanjay (2011) Electroluminescence response in polymer light-emitting diodes International Journal of Electronics Taylor & Francis Volume 98, Number 2, 2011 , pp. 263-270(8). [F]
- 2 Sahu Swati, Patel Mohan, Awasthy Rajesh, Tiwari Sanjay (2015) Investigating the influence of porosity on performance of dye-sensitized solar cells, Optical Society of AmericaT3A. 73. [F][JIF:1.558]
- 3 Swami Rashmi, Awasthy Rajesh, Tiwari Sanjay (2014) Investigation of Visual Properties of Photoactive Blend Layer of Organic Material PCDTBT: PC70BMAdvanced Science Letters Vol 20, 3-4, 841-845. [F]
- 4 Mishra Shubhra, Khare A., Kshatri D. S & Tiwari Sanjay (2015) The effects of Ce3p

- doping on the structural and optical properties of SrS nanoparticles synthesized by solid state diffusion method, *Materials Science in Semiconductor Processing Elsevier*, 40 (2015) 230–240. [F](#) [JIF:1.955]
- 5 Khare A., Mishra Shubhra, Kshatri D. S & Tiwari Sanjay (2015) Structural and optical properties of SrSnanophosphors influenced by Ce³⁺ ions concentrations and particle size reduction *Superlattices and Microstructures (Elsevier)* 2015. [F](#)
- 6 Mishra Shubhra, Kshatri DS, KhareAyush, Tiwari Sanjay (2015) Thermoluminescence Studies Of Ce³⁺ Doped Nano crystalline Srs Phosphor, *Int. J. Adv. Engg. Res. Studies/IV/II/ Vol 282,284* [F](#)
- 7 Sharma JK, Tiwari Sanjay, Jogi V K , and Awasthy R K (2015) Thickness Dependence of a Single Layer Polymer-Based Light-Emitting Diode *JRU Part-B [Science] Vol 28,60-64* [F](#)
- 8 Tiwari Sanjay &Yakhmi J V (2014) Recent Advances in Luminescent Nanomaterials for Solid State Lighting Luminescence Related Phenomena and its Applications, *Trans Tech Publications (TTP), Switzerland, 2014.* [F](#)
- 9 Synthesis of ZnSe quantum dots with stoichiometric ratio difference and study of its optoelectronic property, *Procedia Materials Science (2014) Elsevier*2211-8128 2014 The Authors. Published by Elsevier Ltd. AMME 2014. [F](#)
- 10 Tiwari Sanjay: ICT for sustainable development of Higher Education, *University News Feb 2014.*[I]
- 11 Absorbance/Transmittance/Reflectance of PCDTBT:PC70BM Organic Blend Layer *Academic Science, International Journal of Electronics, Electrical and Computational System IJEECS Volume 2, Issue3 March 2014.* [F](#)
- 12 Tiwari Sanjay (2014) Optical Simulation of Quantum Dot thin film solar cells *Sanjay Tiwari, Sue Carter & J. Campbell Scott IEEE conf. pro.* [F](#)
- 13 Tiwari Sanjay (2014): Development in Artificial Lighting Technology: From Torch to Solid State Lighting *Science India Year Book, 2014 SIF UAE.* [F](#)
- 14 Jogi Vivek Kant, Tiwari Sanjay and Sharma Jitendra(2011). “Thin film – Organic Light Emitting Diode : efficiency and its application”, *Indian Journal of Scientific and Industrial Research NISCAIR-CSIR, BVAAP Vol. 19,No- 1, page 97-100* [I](#)
- 15 Jogi Vivek Kant, Tiwari Sanjay and Sharma Jitendra (2011)To study the electrical characteristics of LEDs based on a single organic layer”, *Indian Journal of Scientific and Industrial Research NISCAIR-CSIR, BVAAP Vol. 19, No- 2, page 158-160 (2011).* [I](#)
- 16 A new theory of the photoplastic effect in coloured alkali halide crystals” *Tiwari S., Gour A. S., Jogi V. K., Chandra B. P., Journal Of Optoelectronics And Advanced Materials Vol. 12, No. 9, P.1840 – 1851 (2010).* [F](#) [JIF:0.429]
- 17 Evaluating the Capability of Biometric Technology *Tiwari Sanjay, GuangmeiZhai, Carter Sue A., Tiwari S. International Journal of Advanced Research in Computer Engineering & Technology(IJARCET) VOLUME 1, 2, 18-27.* [F](#)
- 18 Effect of Temperature on brightness of ZnS: Mn Thin film electroluminescent devices, *International Journal of Physics and Mathematical Sciences, June 2012.* [F](#)
- 19 Effect of temperature and frequency on the threshold voltage of ZnS: Mn thin-film electroluminescent devices, *Novus Natural Science Research, Sept. 2012.* [F](#)
- 20 Electroluminescence brightness waves of the ZnS:Mn thin-film electroluminescent devices, *Journal of Search and Research, Oct. 2012* [I](#)
- 21 Modelling of ZnS:Mn ac thin-film electroluminescent devices, *Research Journal of Engineering Sciences, Oct. 2012* [I](#)
- 22 Tiwari Sanjay , Jain UK, Tiwari Rameshwar (2012)High efficient ZnS: Mn thin-film electroluminescent devices, *International Journal of Physics and Mathematical Sciences Vol2,No 3, 102-107.* [F](#)
- 23 Optical characteristics of ZnS:Mn thin-film electroluminescent devices, *Optical material express 2013 (Communicated).* [F](#)
- 24 Evaluating the Capability of Biometric Technology *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) VOLUME 1, ISSUE 7, SEPTEMBER-2012.* [F](#)
- 25 The advent of Organic Electronics published in *Journal Jigyasa Mahakoshal Vigyan Parishad Sept 2012* [I](#)
- 26 Photonics : The future Technology published in *Journal Jigyasa Mahakoshal Vigyan Parishad Sept 2012* [I](#)

- 27 Technologies for Thin-film Electroluminescence Devices, Journal of Search and Research, Oct. 2011. **[I]**
- 28 “Thin film – Organic Light Emitting Diod: efficiency and its application”, Sharma Jitendra, Tiwari Sanjay and Jogi Vivek Kant, NISCAIR CSIR JOURNAL BVAAP Vol. 19, No1, page 97100 (2011). **[I]**
- 29 To study the electrical characteristics of LEDs based on a single organic layer”, Sharma Jitendra, Tiwari Sanjay and Jogi Vivek Kant, NISCAIR CSIR JOURNAL BVAAP Vol. 19, No2,page 158160 (2011). **[I]**
- 30 Vishwakarma Rajesh K. and Tiwari Sanjay “Aperture coupled microstrip antenna for dual-band operation,” Wireless Engineering and Technology, USA, vol.2 , pp. no 93-101, 2011. **[F]**
- 31 Concentration dependence of Brightness in AC Thin Film Electroluminescence Devices, Journal of Search and Research, Jan. 2010. **[I]**
- 32 Optimization of AC Thin-film Electroluminescent Devices, Journal of Search and Research, Jan. 2010. **[I]**
- 33 Vishwakarma Rajesh K. and Tiwari Sanjay “Experimental study of stacked rectangular microstrip antenna for dual-band” Scientific Research in Engineering, USA, vol.2, No. 2, pp. no 85-90, 2010. **[F]**
- 34 Vishwakarma Rajesh K. And Tiwari Sanjay “Analysis of rectangular notch antenna for dual-band operations” Scientific Research in Engineering, USA, vol.2, No. 2 , pp. no 91-96, 2010. **[F]**
- 35 Vishwakarma Rajesh K. and Tiwari Sanjay “A dual-band stacked rectangular microstrip antenna” Indian Journal of Radio & Space Physics New Delhi (India)vol. 39 pp no-163-169, June 2010 **[I]**
- 36 “A dual-band stacked rectangular microstrip antenna” Indian Journal of Radio & Space Physics June 2010 **[I]**
- 37 Solar concentrators with all-inorganic nanoparticle solar cells for solar energy harvesting Solar Energy Materials & Solar Cells Elsevier (under revision). **[F]**
- 38 Vishwakarma Rajesh K. and Tiwari Sanjay “Air gap aperture coupled staked microstrip antenna for dual-band operation” Indian Journal of Radio & Space Physics New Delhi (India)In Press **[I]**
- 39 Vishwakarma Rajesh Kumar, Tiwari Sanjay (2010) Analysis of rectangular notch antenna for dual-band operation Engineering, Scientific Research Publishing Vol 2, Issue 02. **[F]**
- 40 Vishwakarma Rajesh Kumar, Tiwari Sanjay (2010) Experimental study of stacked rectangular microstrip antenna for dual-band Engineering, Scientific Research Publishing. **[F]**

Books Published

1. Pulse-Induced Mechanolumine sceince In Coloured Alkali Halide Crystals: Rajput Namita & Tiwari Sanjay Scholar Press 2014 (978-3-639-70258-3).
2. Book Chapter Luminescent Nanomaterials and their Applications by Tiwari Sanjay and Yakhmi Jatinder V. Solid State Phenomena published by Trans Tech Publishers, Switzerland.

K Thakur

1. Choubey Siddhartha, Sinha G.R., IEEE / IACSIT Member, Patel Bagwati Charan, Choubey Abha,Thakur Kavita, IEEE Member, October 2011 ‘Avoidance of confusion between similar looking characters in Neuro-Fuzzy based License Plate recognition’ International Journal of Machine Learning and Computing (IJMLC),Vol. 1, No. 4, 394-399, , ISSN: 2010-3700, International Association of Computer Science and Information Technology Press (IACSIT). **[F]**
2. Patel Bhagwati Charan, Sinha G.R. and Thakur Kavita , November 2011,’ Early Detection of Breast Cancer using a Modified Topological Derivative Based Method, International Journal of Pure and Applied Science and Technology (IJPAST), Vol.7, No.1, , pp. 75-80, ISSN: 2229 – 6107, Guwahati, Assam. **[F]**
3. Kumar Bheshaj, Dr. Thakur Kavita 2, and Dr. Sinha G. R., December 2011, Quality Assessment of Compressed MR medical images using General Regression Neural Network International Journal of Pure and Applied Science and Technology (IJPAST), Vol.7, No.2, , pp. 158-169, ISSN: 2229 – 6107,Guwahati, Assam. **[F]**

4. Patil Sandeep B., Dr. Sinha G.R and Thakur Kavita, January, 2012, Isolated Handwritten Devnagri Character Recognition using Fourier Descriptor and HMM. International Journal of Pure and Applied Science and Technology (IJPAST), Vol.8, No. 1, pp. 69-74, ISSN: 2229 – 6107, *Guwahati*, Assam. [F]
5. Thakur Kavita, Deshpande Nivedita and Dr. Zadgaonkar. A.S, January 2012, Assessment of pulse pressure in human heart from formant frequency analysis of speech (ref. no. IJPAST-235/10/11). International Journal of Pure and Applied Science and Technology (IJPAST), Vol. 8, No.1, , pp. 75-79, ISSN: 2229 – 6107, *Guwahati*, Assam [F]
6. Deshpande Nivedita, Thakur Kavita and Zadgaonkar A.S., February 2012, Effect on Systolic and Diastolic duration due to emotional setback. International Journal of Information Technology convergence and services (IJITCS), Vol.2, No.1, pp. 61-65, ISSN: 2231-153X (on line); 2231-1939 (Print), DOI: 10.5121/ijitcs.2012.2107. [F]
7. Kumar Bhesaj, Thakur Kavita and Sinha G. R. June 2012 , A new Hybrid JPEG Symbol Reduction Image Compression Technique, The International Journal of Multimedia & Its Applications (IJMA) Vol.4, No.3, pp.81-92, ISSN : 0975-5578 (on line) , 0975-5934 (print) , DOI:10.5121/ijma.2012.4307. [F]
8. Vyas P., Thakur K. Chandra T. and Bhushan S., May 2012, Study of the Effect of Radiation on PV Cell Characteristic by Sophisticated Embedded System International Journal of Engineering Research and Industrial Applications (IJERIA), Vol. 5, No. II, pp61-68, ISSN: 0974-1518, Ascent publication house Pune, India. [F]
9. Vyas P., Thakur K., October 2012, Evaluation of CdSe under varying Humid Environment, International Journal of Electrical, Electronics and Telecommunication Engineering (IJEE), Vol. 43, Issue 10, pp 427-431, Article Id : 10007132 , ISSN: 2051-3240 , Recent Science Publications. IF (2012): 2.221 [F]
10. Rahman Khan Aijaz Ur, Dr. Thakur Kavita, August 2012, An efficient Fuzzy Logic based Edge Detection Algorithm for Gray Scale Image, International Journal of Emerging Technology and advanced Engineering (IJETAE), Vol. 2, Issue 8, ,pp 245-250, ISSN : 2250-2459 (on line) , ISO 9001:2008 Certified Journal. [F]
11. Rahman Khan Aijaz Ur, Thakur Kavita, October 2012, A Novel Algorithm for removing Impulse noise from highly corrupted noise, European Scientific Journal (ESJ), October Special Edition, Vol.8, No.24, pp-133-144, ISSN: 1857-7881(print), ISSN: 1857-7431(online), published by European Scientific Institute. IF(2012) : 1.2875 [F]
12. Thakur Kavita , Dewangan Nilesh Kumar, October 2012, Cognitive Radio and their Role in Efficient allocation of the spectrum, European Scientific Journal (ESJ), October Special Edition, Vol.8, No.22, , pp-66-81, ISSN: 1857-7881(print), ISSN: 1857-7431(online), published by European Scientific Institute. IF (2012): 1.2875. [F]
13. Deshpande N., Thakur K., Zadgaonkar A.S., 8th August ,2012, Determination of Prolonged QRS Complex through Speech Analysis, The SciTech , Journal of Science and Technology, Special Issue, pp 1-5 , 2012 , ISSN : 2278 -5329, The SciTech Publishers, Broadcasting Science and Technology. [F]
14. Deshpande Nivedita, Thakur Kavita and Zadgaonkar A S, May 2014, Assessment of heart rate variability from speech analysis, Journal of Acoustical Society of America (JASA), Vol.135, 2427 ISSN: 0001-4966, <http://dx.doi.org/10.1121/1.4878075>, SCI/Scopus Indexed [F]
15. Thakur Vikrant Singh, Dr Gupta Shubrata, Dr Thakur Kavita, Optimum Global Thresholding Based Variable Block Size DCT Coding For Efficient Image Compression Accepted for publication in Biomedical & Pharmacology Journal (International), Vol. 8, No. 1, 2015. ISSN 0974-6242, SCI/Scopus Indexed [F] [JIF:0.900]
16. Dewangan Nilesh Kumar, Thakur Kavita, Performance evaluation of Block Truncation Coding for Image Compression, International Journal of Computer Application (IJNA), pp 1-6, ISBN: 973-93-80886-97-3, <http://www.ijcaonline.org/proceedings/acewrm2015/number3/20909-6036> ISBN: 973-93-80886-97-3 [F]
17. Sinha G. R., Dr. Thakur Kavita, Dr. Kowar M. K., July- December 2010, Modified PCA based noise reduction of CFA images Vision & Quest, Journal of Science, Technology and Management, Vol. 1, No.2, pp 60-67, ISSN: 0975-8410. [I]
18. Jha Vandana, Thakur Kavita, Sinha G.R., December 2010, Statistical Analysis of Radiographic Image Enhancement in spatial domain Vision & Quest, Journal of Science, Technology and Management, Vol. 1, No.2, pp 72-77, July-. ISSN: 0975-8410 [I]
19. Vyas P.K., Thakur Kavita & Zadgaonkar A.S., Jan-June, 2011, Design of

Microcontroller based Temperature Monitoring System for Estimation of Efficiency Vision& Quest , Journal of Science , Technology and Management, Vol. 2, No.1, Pp13-15,. ISSN: 0975-8410. [1]

20. Thakur Kavita, KarMoushmi and Zadgaonkar A.S., July – December 2011, Assessment of Stressed Lungs using the FIR Filters, Advances in Applied Research, Vol.3, No.2, pp115-119, , ISSN: 0874-3839, Coimbatore, India. [1]
21. Suryaprakash K.V.R., Thakur Kavita, Zadgaonkar A.S, July – December, 2012, Estimation of saturated time period for perceptual disordered persons using Formant frequency analysis Advanced Applied Research, Vol.4, No.2, pp 116-121, , ISSN: 0874-3839, Coimbatore, India. [1]
22. Deshpande Nivedita, Thakur Kavita, Zadgaonkar A S . , 2014 (May), Second degree heart block assessment from speech signal analysis Journal of Ravishankar University , Special Issue, Part B (Science) , vol 27, pp 108-114, SSN: 0970-5910. [1]

Books Published

1. Author- Thakur Kavita&Zadganokar A. S., Published on the: 10.02.2012, Title of the Book- Phonetic parameters for status recognition of pregnant women, Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN- 978-3-8465-4338-2.
2. Author- Sinha G R, Kowar M K , Thakur Kavita, Published on the: 28-06-2012, Title of the Book- A Practical Approach to Frequency Domain Image Enhancement Methods. Quality Assessment of Digital Images, Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN-978-3-659-17007-2.

23. Details of patents and income generated

S Tiwari: Applied for Indian Patent of 'PLED Simulator' Software Program

24. Areas of consultancy and income generated

Name of Consultancy provider	Nature of consultancy service	Name of Customer/Agency	Revenue generated year wise
S Tiwari Photonics Research lab	(1) Test Report on Japanese LED based Street Light (2) Test Report on Korean LED based Indoor Light (3) Test Report on Korean LED based Street Light	M/S Cosmo Products Opposite Jain Public School, Devpuri Dhamtari Road Raipur 492015	The CEO of M/S Cosmo Products delivered three lectures with demonstrations to students of M.Sc. & M. Tech. in lieu consultancy provided.

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

S Tiwari

1. Worked as Visiting Associate Professor at UNIVERSITY OF CALIFORNIA, SANTA CRUZ (UCSC) USA 2010-1011
2. Visited under Joint Study Agreement to collaborate in modeling and simulation of nano structured solar cells and devices was signed between University of California Santa Cruz (Technical Coordinator Dr Sanjay Tiwari) and IBM Almaden Research Center, San Jose under prestigious Fulbright-Nehru Senior Research Fellowships
3. Invited to visit as Senior Associate Abdus Salam International Center for Theoretical Physics Italy
4. Visited University of Bremen Germany & University of Amsterdam in April 2014 and presented research paper entitled Light enhancement in PCPDTBT:PC70BM solar cells International CECAM-Workshop "Charge transport in organic materials" at Bremen Center for Computational Materials Science - BCCMS University of Bremen, during March 31st - April 4th 2014 organised by Bremen Center for Computational Materials Science Bremen Germany.
5. Invited under INSA Academy Fellowship to TPD BARC Mumbai
6. Under National UGC Research Award of University Grants Commission, New Delhi

visited JNCASR,

7. Under INUP program visited & worked at IISc, Bangalore

K Thakur

1. Attended an International Conference – APSIPA ASC 2010 (Asia Pacific Signal and Information Processing Association Annual Summit and Conference 2010), Dec.14-17 Biopolis, Singapore. During this period, visited National University of Singapore
2. Attended 167th Meeting of Acoustical Society of America in Providence, Rhode Island, GA, Atlanta, USA, held during May 05-09, 2014 and delivered a lecturer of 15 minutes duration on 09 May 2014. During this period, visited University of Rhode Island, Rhode Island

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

Sanjay Tiwari

International committees

- Distinguished Fellow IBM Almaden San Jose
- Member,
 - I. International Centre for Theoretical Physics Italy Indian Chapter (Membership No.327)
 - II. Materials Research Society
 - III. IEEE **91250932**
 - IV. Advisory Network Optical Society of America Washington, D.C. USA
 - V. Third World Academy for Women for Sciences, Trieste, Italy
 - VI. International Association of Engineers Hongkong (113455)

National committees

- Chairman Board of Studies Computer Science Pt Sunder Lal Sharma Open University, Bilaspur & Expert member BOS Physics M.P. Bhoj Open University, Bhopal Member Academic Council of M.P. Bhoj Open University, Bhopal and Pt Sunder Lal Sharma Open University, Bilaspur.
- Member
 - I. MP Young Scientist Congress by MP Council of Science & Technology 2012, 2013 and Expert Research Project Assessment by MPCST.
 - II. Expert Committee Chhattisgarh Swami Vivekanand Technical University, Bhilai for recognition of research centers.
 - III. Advisory Committee of National Conference on "Latest Trends in Electronics and Computational Science and Technology"(LTECST-2015 on March 19-20, 2015 at Jammu University.
 - IV. Organising Committee National conference on "Organic Devices: The Future Ahead (ODEFA-2014)" at BARC during March 3-6, 2014.
 - V. , International Centre for Theoretical Physics Italy Indian Chapter (Membership No.327)
 - VI. Fellow Institution of Electronics & Telecommunication Engineers
 - VII. Materials Research Society of India (LMB 1235)
 - VIII. Institution of Electronics & Telecommunication Engineers, Delhi (Membership No. AM 54675)
 - IX. Crystal Growth Centre, Chennai (Membership No. 301)
 - X. Instrument Society of India (LM 1738)
 - XI. Indian Association of Physics teachers (Membership No. 1424)
 - XII. Luminescence Society of India. Secretary Local Chapter
 - XIII. Society for Information Display
 - XIV. Photonic Society of India

Editorial Board

- Guest Editor for **Special Issues in Advances in Optoelectronics and** Invited Chapter

on Numerical Simulations Intech. International Publishers University Campus, Croatia ISBN 979-953-307-821-1.

- Area Editor Science India A National Monthly Science magazine
- Reviewer & member of the International Editorial Scientific Board of Advances in Electrical and Electronic Engineering journal Czech Republic
- Lead Guest Editor for Special Issues in Advances in Optoelectronics <http://www.hindawi.com/journals/aoe/>
- Editorial Board Member, STM Journals, Consortium E-Learning Network Pvt. Ltd. (CELNET), Noida

Advisory Committee

- Appointed Expert of three Scientific Sessions at 4th Bharatiya Vigyan Sammelan & Expo Panaji, Goa 5-8 March 2015.
- Organizing Secretary 12th Chhattisgarh Young Scientist Congress during 17-19th Feb, 2014 under the sponsorship of Chhattisgarh Council of Science and Technology.
- Nominated Resource Person by Board of Secondary Education Chhattisgarh for updating Syllabi of Class X & XIII Vide letter no 319/Vidyo/Rev Syll./2014 Dt. 12.11.14
- Reviewer Journal of Electrical and Electronics Engineering Research
- Reviewer Advances in Optoelectronics International Journal
- Reviewer International Journal of Advances in Engineering & Technology (IJAET)
- Reviewer Journal of Electrical and Electronics Engineering Research
- Reviewer Journal of Engineering Scientific Research Publishing USA
- Organised as Executive Member Organising Committee National Conference on Vivekanand, Vedant & Vigyan on occasion of 150 Birth Anniversary of Swami Vivekanand during 23rd Oct., 2013
- Invited for speech on **Flexible Display Technology. at BIT's 1st Annual World Congress of Emerging InfoTech-2012 (WCEIT-2012)** with the theme "3rd Wave Revolution of IT/ICT Industry" held in Dalian, China

K Thakur

National committees

- Member
 - ISTE (Indian Soc. for Technical Education) No.LM-23431
 - Institute of Engineers, No.-M124017-4
 - Acoustical Society of India (ASI), No. LM 623
 - Capacity Building of Women Managers in Higher Education, A UGC Program
 - IEEE (Institute of Electrical and Electronics Engineers) No. 40281728.
 - APSIPA (Asia Pacific Signal and Information Processing Association) No. M110647.

Editorial Board

- International Journal of Engineering and Industrial Application (IJERIA- ISSN 0974-1518), Ascent Publication, Pune, Maharashtra, India.
- International Journal of Image Processing & Applications (IJIPA), Vol.1, No.1, Jan-June, 2010, International Science Press, F-2562, Ansal's Palam Bihar, Gurgaon, Haryana, India.
- The SciTech Journal of Science and Technology, SciTech publisher, Balurghat, D-Dinajpur, 733101, India.
- International Journal of Chemoinformatics and Chemical Engineering (IJCCE, DOI: 10.4018/IJCCE, ISSN: 2155-4110, EISSN: 2155-4129), University of Guilan, Iran.
- Journal of Basic and Applied Physics (JBAP), ISSN:2304-9340(Print), ISSN:2304-9332(Online), World Academic Publishing Company

Advisory Committee

- The Excelling Tech Publishers for International Journal of Science and Emerging Technology.
- Ascent International Journals, Ascent publication house, Pune, India.

Reviewer

- Journal of Advances in Applied Research", P.S.G.R. Krishnammal College for

Women, Coimbatore, India. May 2011.

- Journal of Engineering & Computer Innovation” (JECI), Academic Journals, May 2011
- Indian Journal of Science & Technology, Chennai, India (July 2009).
- Journal of Basic and Applied Physics (JBAP), World Academic Publishing Company
- International journal of Multimedia and its Applications (IJMA), Academy & Industry Research Collaboration Center (AIRCC)..
- Journal of Medical Imaging and Health Informatics, ISSN: 2156-7018 (Print): EISSN: 2156-7026 (Online) (September 2014).
- IETE Technical Review, Taylor and Francis(December 2014)
- Institution of Engineers, India, Series B (March 2015)
- Biomedical Signal Processing and Control, ISSN: 1746-8094, Elsevier (JULY 2015)

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
S Tiwari	National Conference on Recent Trends in Photonics, jointly with by UGC, USIEF, UKIERI & Vijnana Bharati Sponsored by DRDO, DST, CGCOST	March 12-13, 2014
	National Workshop on Operation & Maintenance of Laboratory Equipments jointly with Western Regional Instrumentation Centre Mumbai	19-23 January, 2015
	International Conference on Vedic Science & its Application – 2010	20-21 November 2010
	National Conference on Interaction between Traditional and Modern Technologies	21-23 March 2012
	National Workshop on Robotics ROBOHUNK’15 jointly with IIT Bhuvaneshwar	12-13 January 2015
K Thakur	International Workshop on Advanced material Science and Astrophysics (IWAMA 2012) in collaboration with SOS In Physics PRSU & Michigan Technological University , Houghton, MI, USA	19-21 February 2012

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

S. No.	Session	In house Project		Collaboration with other Institutes
		M.Sc.	M. Tech	M. Tech
1.	2010-2011	100	37.5	62.5
2.	2011-2012	100	81.80	81.20
3.	2012-2013	100	25	75
4.	2013-2014	100	25	75
5.	2014-2015	100	20	93.75

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Students

Faculty

S Tiwari

- US Fulbright Foundation, Council for International Exchange of Scholars (CIES) and USIEF awarded Fulbright-Nehru Senior Research Fellowship for the year **2010-2011** to work at University of California, Santa Cruz and IBM Almaden Research Center, San Jose, USA.
- International Center for Theoretical Physics, Italy awarded Senior Associate ship (Only Sr Associate in Central India), **2012-2014**

- Awarded INSA ACADEMY Summer Fellowship to pursue research at BARC, Mumbai. **2013**
- National UGC Research Award" of University Grants Commission, New Delhi **2010-12**
- Appointed Member UGC Expert Committee to assess the performance of Sri Venkateswara University, Tirupati and Sri Padmavati Mahila Viswavidyalayam, Tirupati Magadh University, Bodhgayth, South Gujrat University and Rajiv Gandhi Campus BHU during X plan and evaluate the requirement for XI plan. **2008-10.**
- Appointed Member UGC Expert Committee to evaluate Major research Projects in subject Material Science/Electronics at UGC Head Office New Delhi and Minor Research Project at Central Regional Office Bhopal **2013-14**
- Nominated by Chancellor as an Expert in field of Higher Education for Academic Council of M.P. Bhoj Open University, Bhopal and Pt Sunder Lal Sharma Open University, Bilaspur. **2015**
- Appointed Reviewer of Refereed International Journals e.g. Journal of Electronics Materials, Kluwer Pub UK ,Journal of Solar Energy Materials & Solar Cells, Elsevier Netherland International Journal of Heat & Mass Transfer, M International Journal of Science and Technology Thailand, Journal of Engineering and Technology Research
- Appointed Member, Expert Committee appointed by Chhattisgarh Private University Regulatory Commission, for inspection& assess performance of C.V. Raman University, Kota, Bilaspur and Shankarcharya University, Bhilai& OP Jindal University, Raigarh .**2012-13**
- Appointed Editor: Science India A National Monthly Science magazine and Lead Guest Editor for Special Issues in Advances in Optoelectronics and Invited Chapter on Numerical Simulations Intech International Publishers University Campus, Croatia ISBN 979-953-307-821-1.
- Visiting Faculty Dept of Computer Science, Dr. H.S. Gaur University, Saugar
- Appointed subject expert by UGC New Delhi for assessing proposals of Delhi University affiliated colleges for Seminar/Conferences/Workshops **2012**
- Acted as Co-convener International Conference on Vedic Sciences 2010 and Joint Secretary 8th Chhattisgarh Young Scientist Congress held in **Feb 2010** at PRSU
- Keynote Speaker gave talk on Photonics for Telecommunication at function organized by Institution of Engineers Chhattisgarh Chapter **2013**
- Keynote address during National Conference on Innovations in Material Science and Technology by MATS University, Raipur **2015**
- Chaired session at International Workshop on Physics of Semiconductor Devices held at IIT Kanpur during **19-22 Dec,2011**
- Delivered Keynote address at National Conference on Emerging trends in Science at KITE Raipur **2012**
- Appointed Member of Committee constituted by Commissioner, Higher Education, Govt of Chhattisgarh for inspection for opening Govt College at Vanachal Gram Rengadabri vide Letter Joint Director, Directorate of Higher Education, Govt of Chhattisgarh No 88/16/Plan/2013 dt. **15.05.13.**
- Invited by Indira Sangeet Vishvidyalaya, Khairagarh for delivering lectures on Research Methodology & ICT. **2013-14**
- Invited to give lecture on frontier area of Physics "Photonics for Tomorrow", at the Department of Physics, Govt. M H College of Home Science & Science for Women Jabalpur under the program "Guest lectures by Eminent Professors".
- Appointed Expert Member of Chhattisgarh Ayush and Health Science University, Raipur and attended a meeting as Expert at CPWD Office to assess the proposals of major construction companies for constructing building of University.

K Thakur

- Recipient of Rashtriya Gaurav Award for year **2010-2011** from IIFS (India International Friendship Society) ,New Delhi, India.
- Recipient of "Best Citizen of India Award" for year **2011** from International Publishing House, New Delhi, India.
- Received 'R.S. Tomar Memorial Best Paper Award' for the year **2010** on the paper entitled "Estimation of Saturated Time Period of Perceptual Disordered Persons using Formant Frequency Analysis ", presented in UGC sponsored National Conference on

Managing Interpersonal Communication in Global World ,during Oct. 22- 24,**2010** ,organized by S.O.S. in Psychology, Pt. R. S. Univ., Raipur ,C.G. in association with Psycho –Linguistics Association (PLAI) at S.O.S. in Psychology, Pt. R. S. Univ. ,Raipur , C.G., India.

- Awarded IEEE Senior Membership by IEEE Signal Processing Society (letter dated **28 November 2012**) and Instrumentation and Measurement Society (letter dated **23 October 2012**),Piscataway , NJ 08854 , USA.
- Cited my biographical note in Asian Admirable Achievers (Vol. VII), **2013**, published by Rifacimento International, New Delhi, India.
- Cited my biographical note in Who's who in acoustics in India & France **2013**, published by ASI (Acoustical Society of India) & SFA (Society of France Acoustics)
- Received Nari Shakti Samman (award) as educationist by Vakta Manch, Raipur on **23rd February 2014**.
- Cited my biographical note in Reference Asia – Asia's Who's who of Men and Women of Achievement, pg no 438, Vol. III, **March 08, 2014**, published by Rifacimento International, New Delhi, India.
- Cited my biographical note in Emerald Who's Who in Asia, pg no 485, **September 2014**, published by Rifacimento International, New Delhi, India.
- Recipient of Rashtriya Gaurav Award for year **2014** from IIFS (India International Friendship Society), New Delhi, India.
- Received Best Paper award in the paper "Performance evaluation of Block Truncation code for image compression, presented in the National conference on Applications of Computers & Electronics for the welfare of Rural Masses, Feb 6-7, **2015**, sponsored by Chhattisgarh Council of Science and Technology, Raipur, organized by Rungta College of Engineering and Technology, Bhilai.
- Recipient of Bharat Excellence Award for year **2015** from IFS (India Friendship Forum), New Delhi, India.(28th June 2015)

Students

- Hari Prasad Mishra, Student of M. Tech in Optoelectronics & Laser Technology has joined as Ph.D. student at the Faculty of Science, Department of Physics and Astronomy, at the Vrije University, Van Amsterdam from 1st September 2011.
- Eight Students of M. Tech in Optoelectronics & Laser Technology selected by Raja Rammana Center for Advanced Technology , Indore for project work for 2011-12 and 15 students in 2012-13.

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Conferences	Recent Trends in Photonics, 12-14 March, 2014	SoS in Electronics & Photonics, USIEF, UKIERI and VIBHA sponsored by DRDO, DST, CGCOST & UGC	MS Sodha, KL Chopra, SK Shukla CS Solanki, D Gupta, D Kabra DP Ojha, JV Yakhmi, DK Aswal BP Chandra, P Dwivedi, S Tiwari DCTiwari
Workshops	Operation and Maintenance of Lab Equipments, 19-23 January, 2015	SoS in Electronics & Photonics with WRIC, Mumbai. Sponsored by UGC & CGCOST	P Dwivedi, KK Mahajan, NN Rao S Batra, S Thopte M Shirduk, G Chitte, D Gunde
	Robotics ROBOHUNK' 15 12 th & 13 rd January, 2015	SoS in Electronics & Photonics, PRSU, Raipur, IIT Bhubaneswar & Robo Edutech India	A Kumar
	Quadcopter /UAV	SoS in Electronics &	G Yashwant

	Technology 29 th -30 th March,2015	Photonics, PRSU, Raipur, IIT Delhi	A Singh
	Spoken Tutorials Free Open Source	SoS in Electronics & Photonics, PRSU, Raipur, IIT Mumbai	Apoorv
	Advanced material Science and Astrophysics (IWAMA 2012) Feb 19-21,2012	Department of Physics and Electronics in collaboration with Michigan Technological University , Houghton, MI, USA	R Pandey, R Orlando, V Luana R Nemiroff, A Kembhavi, OP Thakur, KVR Murthy, A Mahabal A Ambastha, M Hambarde, RC Agrwal, BP Chandra

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Electronics					
2010-2011	20	11	06	72.72	83.83
2011-2012	05	03	NIL	33.33	100
2012-2013	15	04	08	75	100
2013-2014	20	05	13	100	100
2014-2015	22	07	09	100	100
2015-2016	20	05	10	-	-
M.Phil. Electronics					
2011-2012	08	02	100	00	00
M-Tech Optoelectronics and Laser technology					
2010-2011	20	13	06	46.15	50
2011-2012	21	11	06	72.72	100
2012-2013	16	07	05	100	80
2013-2014	22	10	08	100	100
2014-2015	22	11	11	100	100
2015-2016	21	06	15	100	100

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
M.Sc.	2013-14	88.8	5.55	5.55
	2014-15	81.25	12.5	6.25
	2015-16	100	00	00
M.Phil.	2011-12	100	00	00
M-Tech	2013-14	00	83.33	16.66
	2014-15	4.54	90.90	4.54
	2015-16	14.28	85.70	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Sashi Kiran Sahu	Gate	2013	OBC
2.	Chandra Prakash	NET	2012	General
3.	Gajendra Singh Rathore	NET	2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	2011: 50
PG to Ph.D.	2012 (M. Phil. to Ph.D.): 50 2013(M Tech to Ph.D.): 5.26
Ph.D. to Post-Doctoral	-
Employed	-
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	85%
Entrepreneurs	

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	50%
from other universities within the State	Nil
from universities from other States	50%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Staff rooms , computer lab, office, research laboratory are equipped with internet facility
b) Total number of class rooms	02 - classrooms , 01 - class room cum student lab
c) Class rooms with ICT facility	01- permanent ICT facility 02 - portable ICT facility
d) Students' laboratories	01 - student lab 01 - student lab cum research lab 01- student lab cum class room 01 computer lab
e) Research laboratories	01 - student lab cum research lab

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university	Doctoral Degree Jitendra Ku Verma Rajesh Ku Vishwakarma VivekakantJogi Aijaz Ur Rahman (March 2014) Bheshaj Ku Dewangan (April 2014) Anjali Deshpande (August 2014) Prafulla Kumar Vyas (August 2014)
b) From other institutions/universities	Ganesh Ku Sinha (April 2010), CSVTU Bhilai Moushmi Kar (July 2010), Research Centre – Govt Engg. College , Raipur, PRSU, Raipur (presently NIT) K V R Surya Prakash (March 2011), Research Centre – Govt Engineering College, Raipur, PRSU Raipur, (Presently NIT Raipur)

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department no new program was introduced during the period of this assessment.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Every year faculties used to modify the curriculum of M.Sc, MTech ,M.Phil courses in the meeting of BOS ,Electronics organized by Academic section, PRSU , Raipur.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	At the end of each semester students feedback on curriculum & teachers and Parents feedback have been collected, analysed in front of faculties and accordingly action were taken. As per remarks, teachers were advised to improve their teaching skill.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	Frequency of Alumni meet is once in a year, Alumni Association is registered. Minutes of the meetings were recorded in the Alumni register.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Hari Mishra	M-Tech (Optoelectronics and laser technology)	2009-2011	Research Employee at VU University Amsterdam
2.	Kumar Swamy	M-Tech (Optoelectronics and laser technology)	2008-2010	Assistant Professor at ITM University Raipur.
3	Sashwat Bhure	M-Tech (Optoelectronics and laser technology)	2009-2011	Work at Festo
4	Abhishek Losalke	M-Tech (Optoelectronics and laser technology)	2009-2011	Engineer/sales at RofinSinar
5	Jaya Chowdhary	M-Tech (Optoelectronics and laser technology)	2009-2011	Assistant Professor at GNIOT Group of Institution
6	Herra Kumar	M.Sc. (Electronics)	2010-2012	R&D Engineer at HPL Electric & Power Pvt. Ltd.
7	Devendra Rao	M.Sc. (Electronics)	2010-2012	Application/ Design Engineer at I & B Automation and control Pvt. Ltd.
8	Romesh Kumar Singh	M-Tech (Optoelectronics and laser technology)	2011-2013	Service Engineer at Laser Science service Pvt. Ltd.
9	Chandra Kant Singh Rathore	M-Tech (Optoelectronics and laser technology)	2011-2013	Assistant officer at Shri Cement
10	Chetan Dewangan	M-Tech (Optoelectronics and laser technology)	2012-2014	R&D Engineer at Karee Lightning

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

S. No.	Title of the Program	Date
1.	National Workshop on Robotics ROBOHUNK'15	12-13 Jan 2015
2.	"Higher Studies in the US" Philip Roskamp, Head of Public Affairs Section at the US Consulate, Mumbai	12 Nov., 2014
3.	Ajoy Ghatak, celebrated professor of physics at IIT Delhi, an eminent laser physicist and author of many books that have become popular among the student and research community alike, delivered plenary talk on "EINSTEIN &	24 th April, 2015

	HIS YEAR OF MIRACLES”	
4.	Prabhat Dwivedi, Chief Scientist, Center for Nano Science, IIT-Kanpur delivered talk on Perspectives of Nano science	23 rd Jan 2015
5.	Organized Special Thematic Lecture on occasion of Golden Jubilee Celebrations by Suresh Chand Chief Scientist & Head Organic & Hybrid Solar Cell Division CSIR-NPL New Delhi on New Developments in Organic Solar Cells.	13 th September 2013

45. List the teaching methods adopted by the faculty for different programs.
- Conventional Method by using Chalk and Duster
 - Using Power point presentations with white board for illustrations
 - Mixed Mode both with Conventional and PPT presentation
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Firstly the assigned proposal should be discussed with students, then implement to the department, regularly ask questions about the implement proposal and check what are the difficulties getting for the proposed proposal. At last take the exam or seminar of students who are working on proposed proposal.
47. Highlight the participation of students and faculty in extension activities.
- Faculties delivered expert /invited talk in conferences/workshop organized by affiliated colleges of PRSU, Raipur and also in other state universities.
 - Students actively participated in Youth festivals every year.
 - Students participated with full enthusiasm in the interdepartmental extra-curricular activities, also in state /national level too
48. Give details of “beyond syllabus scholarly activities” of the department.
- External Examiner for Ph.D. Thesis evaluation of State as well as National University.
 - External Examiner for M-Tech Thesis evaluation of Chhattisgarh Swami Vivekananda Technical University Bilai.
 - Publication of article in Science and Electronics Magazine.
 - Member in Advisory Committee.
 - Members in Editorial Board.
 - Reviewer of National and International Journals.
 - Member of Program Committee in National and International Conference.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- M Tech in Optoelectronics and Laser Technology is AICTE approved
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Department works at very high level, they usually organize workshop and conferences to increase the student practical approach. Department called IIT faculties to address the students and enhance their technical knowledge.
 - Department provides full facilities to students regarding practical lab
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
- The School is offering interdisciplinary course, namely MTech in Opto-electronics and laser technology
 - The School is offering BVoc course on renewable and solar energy
- Weaknesses**
- Weak Industry-Academia linkage
 - Limited Consultancy Service and research patents
- Opportunities**
- Scope for Multidisciplinary Research

- Collaboration/ MOUs with Department of Physics University of California, Santa Cruz USA, Hari Singh Gaur University Sagar, NIT Raipur, CSVTU Bhilai.

Challenges

- Establishment of strong academic- industry linkages
- Adaptation of rapidly growing technology in the area of electronics
- Industry Academia Linkage/ Consultancy

52. Future plans of the department.

- Modernization and up-gradation of research infrastructure
- Establishment of VLSI Lab

Evaluative Report of the Department

1. Name of the Department: School of Studies in Environmental Science
2. Year of establishment: 2011
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Environmental Science	2011
2.	Ph.D.	Research	Environmental Science	2014

5. Interdisciplinary programs and departments involved

Program: Ph.D. – Environmental Science

Department involved: Environmental Science

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester - M.Sc. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	1	-	-
Assistant Professor	3	-	-
Guest Teachers	-	-	6

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
KS Patel	Ph.D.	Professor & Head	Analytical Chem., Environmental Sciences	29	0 (3)*	-
A Panda	Ph.D.	Guest Lecturer	Bio Science	02	-	-
B L Sahu	M.Phil.	Guest Lecturer	Inorganic Chemistry	06	-	-
M Shakar	M.Sc.	Guest Lecturer	Environmental Science	-	-	-
S Chakradhari	M.Sc.	Guest Lecturer	Environmental Science	-	-	-
A Yadav	M.Sc.	Guest Lecturer	Environmental Science	-	-	-

PK Sahu	M.Sc.	Guest Lecturer	Environmental Science	-	-	-
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

A. Naik (Visiting Professor), 2014

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc.
2013-2014	91
2014-2015	91
2015-2016	100

14. Program-wise Student Teacher Ratio

Session	M.Sc.
2013-2014	4.6:1
2014-2015	3.6:1
2015-2016	3.8:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	-	-	-
Administrative Staff	-	-	1

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a) State recognition	-
b) National recognition	-
c) International recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	SCOPUS	NON-SCOPUS	SCOPUS

	National	International	National	International	
○ Number of papers published in peer reviewed journals (national / international)	02	08	0	11	10/ faculty
○ Monographs	-				
○ Chapters in Books	01				
○ Edited Books	-				
○ Books with ISBN with details of publishers	-				
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) SCOPUS – 10; h-Index (15); Citations (898) GOOGLE SCHOLAR – 15; h-Index (15); i10-Index (27); Since 2010 (10); Citations (356)	SCOPUS		Google Scholar		
	10		15		
○ Citation Index – range / average [Google Scholar]	1 – 15				Median: 8
○ Total citation [Google Scholar/ SCOPUS]	Google Scholar: 943 SCOPUS: 898				
○ SNIP	See table below				
○ SJR	See table below				
○ IPP	See table below				
Journals	SJR	IPP	SNIP		
Atmospheric Research	1.232	2.844	1.610		
Applied Water Science	0.721	1.344	0.839		
Polycyclic Aromatic Compounds	0.241	0.760	0.357		
Asian Journal of Water, Environment & Pollution	0.114	0.361	0.225		
International Journal of Ethics in Engineering & Management Education	0.107	0.301	0.198		
○ Impact Factor – range / average	0.219 - 2.843				1.531
○ h-index [Google Scholar/ SCOPUS] faculty-wise (total period)	Faculty	SCOPUS	Google Scholar		
○	KS Patel	10	15		

Publications of Faculty in indexed Journals

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

KS Patel

1. R. Verma, K. S. Patel, S. K. Verma. Indoor polycyclic aromatic hydrocarbon concentration in Central India. Polycyclic Aromatic Compounds, **2015**, 1-17. [F] [JIF: 0.7601]
2. B. Giri, K. S. Patel, N. K. Jaiswal, S. Sharma, B. Ambade, W. Wang, S. L. M. Simonich, B. R. T. Simoneit. Composition and sources of organic tracers in aerosol particles of industrial central India. Atmospheric Research, **2013**, 120-121, 312-324. [F] [JIF: 2.832]

Other Publications of Faculty

KS Patel

1. K. S. Patel, R. Sharma, N. S. Dahariya, A. Yadav, B. Blazhev, L. Matini, J. Hoinkis. Heavy metal contamination of tree leaves. American Journal of Analytical Chemistry, **2015**, 6, 687-693. [F] [JIF: 1.12]
2. K. S. Patel, D. Sahu, S. Ramteke, B. Blazhev, L. Matini, E. Yubero, J. Hoinkis.

- Transport pollution in India. American Journal of Analytical Chemistry, **2015**, 6, in press. [F] [JIF: 1.12]
3. K. S. Patel, N. S. Dahariya, S. K. Chakradhary, P. K. Sahu, K. P. Rajhans, S. Ramteke, L. Lata, H. Milosh. Sewage pollution in central India. American Journal of Analytical Chemistry, **2015**, 6, in press. [F] [JIF: 1.12]
 4. K. S. Patel, B. L. Sahu, N. S. Dahariya, A. Bhatia, R. K. Patel, L. Matini, O. Sracek, P. Bhattacharya. Contamination of arsenic and fluoride in groundwater, Applied Water Science, **2015**. (Accepted). [F]
 5. K. S. Patel, R. Sharma, B. L. Sahu, R. K. Patel, L. Matini. Groundwater Quality of Rajnandgaon City, India. Asian Journal of Water, Environment & Pollution, **2014**, 11(3) 31-37. [F] [JIF: 0.361]
 6. R. Verma, K. S. Patel, S. K. Verma. Chemical Composition of Indoor Ash Residues. Journal of Advances in Environmental health Research, **2014**, 2, 81-90. [F] [JIF: 0.214]
 7. R. Verma, K. S. Patel, S. K. Verma, N. K. Jaiswal. Carbonaceous particulate concentration during Indoor burning. International Journal of Ethics in Engineering & Management Education, **2014**, 187-194. [F] [JIF: 0.301]
 8. K. S. Patel, R. Dewangan, I. Wysocoka, I. Jaroan, L. Matini. Ground water pollution in Central India. Water & Environmental Dynamics Proceedings, ICWRER **2013**, 256-273. [F]
 9. K. S. Patel, Y. Nayak, C.C. Hung. Polychlorinated biphenyls contamination in pond sediment of central India. Water & Environmental Dynamics Proceedings, ICWRER **2013**, 588-605. [F]
 10. K. S. Patel, M. Rajak, N. Dahariya, A. Mukerjee, B. Blazhev, J. Nicolas, E. Yubero, J. Hoinkis, M. Lautent. Potential groundwater pollution in central India. 7th EUREGEO Inter. Conf. **2012**, Bologna, 461-462. [F]
 11. K. S. Patel, B. Ambade, E. Yubero, M. Lautent. Urban runoff water quality in central India. 7th EUREGEO Inter. Conf. **2012**, Bologna, 459-460. [F]
 12. K. S. Patel, B. Ambade, N. K. Jaiswal, R. Sharma, R. K. Patel, B. Blazhev, M. Lautent and P. Bhattacharya. Arsenic and other heavy metal contamination in central India. CRC Press, **2012**, 38-39. [F]
 13. K. S. Patel, A. Verma, N. K. Jaiswal, B. L. Sahu, K. Shrivasa, A. Raab, J. Feldmann, L. Borgese, A. Gianoncelli, E. Bontempi, M. Lautent and P. Bhattacharya. Arsenic concentration in soil, rice and straw in central India. CRC Press, **2012**, 508-509. [F]
 14. K. S. Patel, A. P. Bhatia, R. K. Patel, M. Lautent. Source apportionment of arsenic and other elements in groundwater of Ambagarh Chouki, Raipur. Workshop on Groundwater Pollution around Industrial Clusters: Mitigation & Management, Raipur, **2011**, 86-94. [I]
 15. K. S. Patel, R. Sharma, R. K. Patel, M. Lautent. Groundwater quality of Rajnangaon city. Workshop on Groundwater Pollution around Industrial Clusters: Mitigation & Management, Raipur, **2011**, 66-72. [I]
 16. K.S. Patel, M. Garhewal, N.K. Jaiswal, R.K. Dewangan, W. Corns, B. Chen, B. Blazhev. Arsenic exposure in coal burning area of central India. CRC Press, **2010**, 156. [I]
 17. K.S. Patel, K. Shrivasa, A. Verma, R. Baghel, W. Corns, B. Chen, A. Raab, J. Feldmann, B. Blazhev. Arsenic exposure and skin lesions in central India. CRC Press, **2010**, 264-265. [F]
 18. K. S. Patel, K. Shrivasa, A. Towari, A. Verma, R. Brandt, N. Jakubowski, W. Corns, B. Chen, A. Raab, J. Feldmann, B. Blazhev. Arsenic accumulation in common rice of central India. CRC Press, **2010**, 570-571. [F]

Book Chapter

1. K. S. Patel, S. Gupta, D. Sahu, N. K. Jaiswal, R. K. Dewangan, S. Nava, F. Lucarelli, B. Blazhev, R. Stefanova, J. Hoinkis. Lead environmental pollution in central India. Book Chapter, New Trends in Technologies, Vienna, Austria, **2010**, page 1-12. [F]
23. Details of patents and income generated
None
 24. Areas of consultancy and income generated
None

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

None

26. Faculty serving in
- National committees
 - International committees
 - Editorial Boards
 - any other (please specify)

KS Patel

National committees

- Member of National Environmental Science Academy

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

None

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects
 - percentage of students doing projects in collaboration with other universities/industry/institute

None

29. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows
 - Students

Doctoral students

Fellowship

2014-2015

- Shobhana Ramteke: Rajiv Gandhi National Fellowship, 2015
- Keshaw Prakash Rajhans: Rajiv Gandhi National Fellowship, 2015
- Shobhana Ramteke: Chinese Fellowship, 2015
- Keshaw Prakash Rajhans: Chinese Fellowship, 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. [Keynote & 4-5 speakers]

None

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Human Ethics Committee (IEC)
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc.					
2011-2012	17	03	12	66	100
2012-2013	30	08	11	100	100
2013-2014	27	03	15	100	100
2014-2015	25	03	09	100	100
2015-2016	48	08	07	100	100
Ph.D.					
2014-2015	04	02	01	-	-

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.Sc.	2015-16	96.3	03.7	00	00
	2014-15	100	00	00	00
	2013-14	100	00	00	00
	2012-13	100	00	00	00
	2011-12	76.4	17.6	5.8	00
Ph.D.	2014-15	100	00	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

None

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	-
PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
Employed	-
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	100 %
from other universities within the State	Nil
from universities from other States	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	01
c) Class rooms with ICT facility	01
d) Students' laboratories	01
e) Research laboratories	02

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for Ph.D.:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Shobhana Ramteke	KS Patel	2014	Environmental Science
2.	K Prakash Rajhans	KS Patel	2014	Environmental Science
3.	Ankit Yadav	KS Patel	2014	Environmental Science

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

M.Sc. (Chemistry)					
	Caste	2011-12	2012-13	2013-14	2014-15
Post Matric	OBC	02	07	04	05
Post Matric	SC	01	01	-	-
Post Matric	ST	-	-	-	-
Total		03	08	04	05

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department no new program was introduced during the period of this assessment.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, During Staff council meetings, all the aspect of the teaching-learning evaluation is discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? A confidential written feedback is taken from the students of the entire course offered about the overall performance of teachers.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? Department organize the alumni meet , Parent teacher meet regularly , and takes feedback from the alumni and parents about the progress of the department regarding the courses, research activity etc.

43. List the distinguished alumni of the department (maximum 10)

None

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

None

45. List the teaching methods adopted by the faculty for different programs.

- Class Room Teaching
- Power Point Presentation (LCD).
- Class room discussion
- Continuous Assessment

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

- Interactive method: Seminars/ Class presentations and Group discussions
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.

Broad band internet facility is available which encourages the faculty to fit with computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow & PG classroom for effective teaching

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in staff council meetings held

- regularly monthly basis.
- Discussions and monitoring on results at end of each session and reforms required
- Internal Assessment /Continues evaluation by Class test and Presentation
- Regular viva-voce in practical

47. Highlight the participation of students and faculty in extension activities.

- All the students participate weekly Environmental Society Lectures/Discussions etc
- All the faculty do interact with the students
- Publication of popular articles by faculty in newspapers
- Participation in national program organized/announced by national agencies
- Participation in INSPIRE CAMP (Twice in a year)
- Participation in Rajyotsav (1st Week of November)
- Participation in Chhattisgarh Young Scientist Congress (Feb/March)

48. Give details of “beyond syllabus scholarly activities” of the department.

- Organisation of student seminars
- Publication of review and public awareness articles

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Review article

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- School was established to offer the course of contemporary interest
- Publications in Journals with good impact factor

Weaknesses

- Lack of Linkages with Industries
- Limited Consultancy

Opportunities

- Scope for research activities on pollution of Tribal areas of the State
- Scope for Patenting and consultancy in the diverse fields of Environmental Sciences

Challenges

- Implementation of Modular syllabus
- Linkage/ Consultancy/ MoU

52. Future plans of the department.

- Expansion of infrastructure and instrumentation facility
- International collaboration for funding from agencies, like WHO, NIH, Ford Foundation

Evaluative Report of the Department

1. Name of the Department: School of Studies in Geography
2. Year of establishment: 1965
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A./ M.Sc.	PG	Geography	1965/ 2013
2.	Integrated Masters	PG	Geography	2008
3.	M.Phil.	Research	Geography	1976
4.	Ph.D.	Research	Geography	1966

5. Interdisciplinary programs and departments involved
Program: Ph.D. – Population Geography, Agricultural Geography, Social Geography, Urban Geography, Computer Application, Remote Sensing & GIS
Department involved: Earth Science & Computer Science
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Five years Integrated Course M.A. Geography
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester – M.A., M.Sc. with Choice Based Credit System from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
None
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	4
Associate Professor	3	2	1
Assistant Professor	4	3	-
Contract Teachers	-	-	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
ZT Khan	Ph.D.	Professor	Urban Geography, Settlement Geography, Regional Development & Planning, Social Geography	31	3(6)*	5
A Baghel	Ph.D.	Professor	Geography of Population, Agricultural Geography, Resource Geography	27	2(6)	8

S Sharma	Ph.D.	Professor & Head	Geography of Population, Social Geography, Agricultural Geography & Nutrition	27	1(4)	8
NK Baghmar	Ph.D.	Professor	Geography of Resources, Remote Sensing & GIS	22	1 (5)	8
U Gole	Ph.D.	Associate Professor	Agricultural Geography & Nutrition, Medical Geography, Social Geography	19	(4)	3
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.A.	M.Phil.
2010-2011	22.55	16.87
2011-2012	19.21	11.42
2012-2013	21.55	13.79
2013-2014	27.52	6.66
2014-2015	25.68	6.66
2015-2016	17.0	08.0

14. Program-wise Student Teacher Ratio

Session	M. A.	M.Phil.
2010-2011	18.4:1	1.8:1
2011-2012	19.6:1	2:1
2012-2013	20.2:1	2:1
2013-2014	16.4:1	1.8:1
2014-2015	15.2:1	1:1
2015-2016	17.6:1	1.6:1
Ph.D. 6 research scholars (maximum) with each teacher		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	6	6	6
Administrative Staff	7	3	4

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	GIS and Remote Sensing	DST-FIST (Level – I)	2014-2019

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
ZT Khan	ICSSR, New Delhi	Socio-Economic Status and Quality of Life of Women Slum-dwellers of Major Cities of Chhattisgarh	2012 - 2014	6.80
ZT Khan CR Ratre (Co-PI)	UGC, New Delhi	Chhattisgarh Basin Mei Mehar Jati ki Samajik-Arthik Sthiti	2011-2014	6.29

S Sharma	UGC, New Delhi	Chhattisgarh ke Nagaro Me Shishu Matyarta Pratirup	2011-2014	6.86
U Gole	UGC, New Delhi	Evaluation of agro nutritional level among Oraw tribes of Jashpur district, Chhattisgarh	2011-2013	1.40
<i>Research Project Proposal Submitted</i>				
S Sharma	ICSSR	Geographical Analysis of Occupational Patterns and Quality of Life of Working Women in Cities of Chhattisgarh (In Hindi)	2015	10.27
U Gole	ICSSR	Food Security Condition In Primitive Tribes of Chhattisgarh: Special Reference to "Pahari Korwa and Baigas": A Geographical Study	2015	8.14

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No.	Funding Agency	Program	Period	Amount (INR in Lac)
<i>Current; in the period of assessment: 2010-2015</i>				
1	DST, New Delhi	DST-FIST	2014-2019	34.00

20. Research facility/ centre with:

a)	State recognition	-
b)	National recognition	DST-FIST
c)	International recognition	-

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national / international)	62	Nil	12.4/ faculty
o Monographs	-		
o Chapters in Books	08		
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	70		
o Citation Index – range/ average [Google Scholar]	1 - 24		4.2
o Total citation [SCOPUS/ Google Scholar]	SCOPUS: 11 Google Scholar: 45		
o h-index [Google Scholar/ SCOPUS]	Faculty	SCOPUS	Google Scholar
	ZT Khan	-	3
	A Baghel	1	2

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

ZT Khan

1. Khan, Z.T. (2014). Raipur: The Capital of Chhattisgarh, Souvenir and Abstracts, National Conference on Sustainable Resource Development and Management, 20-22 Jan. 2014. SoS in Geography, Pt. Ravishankar Shukla University, 12-15. [I]
2. Khan, Z.T. (2013). Malin Bastiyon ke Unnayan Hetu Kiye Gaya Shaskey Prayas: Ek Mulyankan (Durg Nagar ke Vishesh Sandarbh me), **Charmanvati: Research Journal of Geography**, Ambah (Morena) 13. ISSN: 2277-9892. [I]
3. Khan, Z.T. (2013). Population Composition and Growth of Raipur, Challenges of Urbanization in the 21st Century, **Planning and Governance**, Kalpana Markandey & Others, Concept Publishing Company Pvt. Ltd. New Delhi, 3, 160-168. ISBN: 13:978-81-8069-950-4. [I]
4. Khan, Z.T. & Kohli, R. (2012). Chhattisgarh ki Vishesh Pichhadi Janjatiyon ki Samsyayen, **Proceeding of National Conference on "Tribal Development in Chhattisgarh: Problems and Prospects**, 15-16 Feb. 2012, Organized by Govt. Chhattisgarh College, Raipur, 60-63. [I]
5. Khan, Z.T. & Mustak, S. K. (2011). Residential Land Use Planning for Raipur City Using GIS, **Indian Cartographer**, 15-17 October, 2011, Department of Geography, Panjab University, Chandigarh, 31(261-264), ISSN: 0972-8392. [I]
6. Khan, Z.T. & Shradha Devi (2011). Raipur Nagar ki Yatayat Yyavastha, **Educational Waves: A National Research Journal** (ed) Chandrani Tiwari, 2(3), 110-114. ISSN: 0975-8771. [I]
7. Khan, Z.T. & Sonwani, S. (2011). Raipur Nagar ke Bhoomi Upyog me Parivartan ka Prarup, **Uttar Bharat Bhoogol Patrika**, 41(3), 21-28. ISSN: 0042-1618. [I]
8. Khan, Z.T. & Shradha Devi (2011). Bhilai Nagar ki Malin Bastiyon me Samsyaon ke Nirakarn hetu kiye gaye Shaskiya Prayas, Yojnaon ka Kriyanvayan avam Pragati, **Educational Waves: A National Research Journal** (ed) Chandrani Tiwari, Bilaspur, 2(2) 86-91. ISSN: 0975-8771. [I]
9. Khan, Z.T. (2011). Bilaspur: the Judicial Capital & Chhattisgarh, **Souvenir on Water Resource Development and Conservation**, Govt. Bilasa Girl's P.G. College Bilaspur. [I]
10. Khan, Z.T. & Ratre, C.R. (2010). Seonath Basin me Mehar Jati ki Sanskritik Dashayen, **Research Journal of Humanities and Social Sciences (RJHSS)**, 1(1), 21-23. ISSN: 0975-6795. [I]
11. Khan, Z.T. (2010). Nutritional Status of Muslim Majority Slums in Durg Bhilainagar Twin City, on **E-Proceeding of International Geographical Union (IGU) Commission Seminar**, Guwahati. [I]
12. Khan, Z.T. & Shradha Devi (2010). Durg-Bhilai Nagar ki Udiya Jansankhya Pradhan Malin Bastiyon mein Arthik Avam Vyavsayik Sanrachna, **Educational Waves: A National Research Journal** (ed) Chandrani Tiwari, 1(1), 83-90. ISSN: 0975-8771. [I]
13. Khan, Z.T. & Shradha Devi (2010). Durg-Bhilainagar Ki Muslim Jansankhya Pradhan Malin Bastiyon mein Arthik avam Vyavsayik Sanrachna, **Uttar Bharat Bhoogol Patrika**, 40(1), 91-96. ISSN: 0042-1618. [I]
14. Khan, Z.T. & Sonwani, S. (2010). Raipur Nagar Ka Udbhav avam Vikas, **Educational Waves: A National Research Journal**, 1, 47-54. ISSN: 0975-8771. [I]
15. Khan, Z.T. & Sonwani, S. (2010). Raipur Nagar Ki Audyogik Sanrachna, **Charmanvati: A Research Journal of Geography**, **Charmanvati: Research Journal of Geography**, Ambah (Morena) 10. ISSN: 2277-9892. [I]

A Baghel

1. Baghel, A. & Patel, B. L. (2014). Occupational Structure in Chhattisgarh. **Journal of Ravishankar University**, 19-21, 82-104. ISSN: 0970-5910. [I]
2. Baghel, A. & Chandrakar, M. (2014). Migration Patterns in Chhattisgarh State. **Journal of Ravishankar University**, 19-21, 105-119. ISSN: 0970-5910. [I]
3. Baghel, A. & Rajput, T. (2013). Size of Landholding and Cropping Patterns in Durg District. **Journal of Ravishankar University**, 16-18, 1-13. ISSN: 0970-5910. [I]
4. Baghel, A (2013). In-migration in Cities of Chhattisgarh' **Challenges of Urbanization**

- in the 21st Century**, Urbanization and Urban Growth, Ed. Kalpana Markandey, B. Srinagesh and Ashok Kumar Lonavath, Published by Concept Publishing Company Pvt. Ltd., New Delhi, 4, 136-142. ISBN-13: 978-81-8069-951-1. [1]
5. Baghel, A. & Vishwakarma, P. (2012). Operational Landholding and Cropping Patterns in Korea District. **The Transaction of the Institute of Geographers**, 2(1&2), 1-17. ISSN: 2229-3582. [1]
 6. Baghel, A. & Vishwakarma, P. (2012). Landholding among Scheduled Tribes in Korea District. Proceeding of National Conference on “Tribal Development in Chhattisgarh: Problems and Prospects, Organized by Govt. Chhattisgarh College, Raipur, 66-73. [1]
 7. Baghel, A. & Verma, S. (2012). Land use and cropping pattern in Mohla Manpur Hill Region of Seonath Basin. Proceeding of National Conference on “Tribal Development in Chhattisgarh: Problems and Prospects, Organized by Govt. Chhattisgarh College, Raipur, 11-15. [1]
 8. Baghel, A. & Magar, B. (2012). Infant Mortality and Public Facilities in Dhamtari District. **Uttar Bharat Bhoogol Patrika**, 42(3&4), 1-6. ISSN: 0042-1618. [1]
 9. Baghel, A. (2012). Size of Landholdings and Irrigation in Chhattisgarh. **Rashtriya Bhogolik Patrika**, 1(3), 27-38. ISSN: 2230-9942. [1]
 10. Baghel, A. (2012). Distribution of Operational Landholdings in Rural India. **The Deccan Geographer**, 50(1), 63-74. ISSN: 001-7269. [1]
 11. Baghel, A. & Verma, S. (2011). Patterns of Crop Diversification in Seonath Basin in Chhattisgarh State. **Eastern Geographer**, 17(1), 27-30. ISSN: 0042-1618. [1]
 12. Baghel, A. (2011). Distribution of Disabled Population in Chhattisgarh. **Research Journal of Humanities and Social Sciences (RJHSS)**, 2(4), 201-208. ISSN: 0975-6795. [1]
 13. Baghel, A. (2010). Population Regions in Chhattisgarh. **Indian Cartographer**, 31, 402-414. ISSN: 0972-8392. [1]
 14. Baghel, A. & Vishwakarma, P. (2010). Size of Landholdings and Land use Patterns in Koria District. **E-proceedings of IGU Commission Seminar** on Land use, Biodiversity and Climatic Change, Organized by Cotton College Guwahati, Assam.73-79. [1]
 15. Baghel, A. & Verma, S. (2010). Cropping Patterns in Seonath Basin. **Uttar Bharat Bhoogol Patrika**, 40(1), 97-102. ISSN: 0042-1618. [1]
 16. Baghel, A. & Verma, S. (2010). Agricultural Regions & Cropping Patterns in Seonath Basin. **Educational Waves**, 1(2), 01-05. ISSN: 0975-8771. [1]

S Sharma

1. Sharma, S., & Thakur, R. (2014). Durg- Rajnandgoan Uchcha Bhoomi Me Anusuchit janjati me Krishi Nivesh - Nigert avam bhoomi Nirvahan kshamta, **IJASS**, 2, 114-121. ISSN-2347-5153. [1]
2. Sharma, S., Ahirwar, D., & Bharati, S. (2014) Availability of Food and Level of Nutrition in Sagar and Durg Districts: A Comparative Study, **IJRRSS**, 2(3), 159-165. ISSN-2347-5145. [1]
3. Sharma, S., & Gupta, M.P. (2010). Family Environs, Medical Facilities and Rural Infant Mortality in Shivnath Basin, Chhattisgarh, **Environment and Health**, ed. **Abha Lakshmi Singh**, 217-238 ISBN 13: 9788176467117. [1]
4. Sharma, S., & Thakur, R. (2014). Nutritional level in Tribal of Southern Seonath Basin, **Uttar Pradesh Geographical Journal**, 19, 73-82. [1]
5. Sharma, S. (2013). Quality of life of working women if cites of Chhattisgarh: A Geographical analysis, **Interdisciplinary Advances in Geography**, Ed.-P.R. Sharma, R.S. Yadava & V.N. Sharma, Published by R.K. Books New Delhi, 309-318. ISBN: 978-81-9100-598-1. [1]
6. Sharma, S., & Chatterjee, S. (2013). Land Use Land Cover Change in Western Wardhman”, **Challenges of Urbanization in the 21st Century**, Urbanization and Urban Growth, Ed. Kalpana Markandey, B. Srinagesh and Ashok Kumar Lonavath, Pulished by Concept Publishing Company Pvt. Ltd., New Delhi, 4, 3-13. ISBN-13: 978-81-8069-951-1. [1]
7. Sharma, S., & Baghel, S. (2013). Quality of Life of In-Migrants in Bilaspur, **Challenges of Urbanization in the 21st Century**, Urbanization and Urban Growth, Ed. Kalpana Markandey, B. Srinagesh and Ashok Kumar Lonavath, Published by Concept Publishing Company Pvt. Ltd., New Delhi, 4, 392-402. ISBN-13: 978-81-8069-951-1. [1]

8. Sharma, S. (2012). Socio- Economic Conditions of Urban Working Women in Chhattisgarh: A Geographical Analysis. **Earth Surface View**, 10(2), 33-41. ISSN 0976-0768. [1]
9. Sharma, S., & Das, V. (2012). Kanker Jila Me Gramin Anusuchit Janjatiyo ki Shishu Matyarta per Arthik Karko ka Prabhav. **Rashtriya Bhogolik Patrikal**, 1, 13-26. ISSN: 2230-9942. [1]
10. Sharma, S. (2011). Social and Economic Status of Working Women in Towns of Chhattisgarh (India) **Practising Geographer**, 15(11), 170-181. ISSN 0975-3850. [1]
11. Sharma, S., & Chatterjee, S. (2011). Application of Remote Sensing And GIS in Land Use / Land Cover Assessment in Dargiling Himalaya and its foothill Zone. **Hill Geographer**, 22 (1&2), 92-103. ISSN-0970-5023. [1]
12. Sharma, S., & Thakur, R. (2010). Durg- Rajnandgoan Uchcha Bhoomi Me Krishi Vikas ka Ster. **The Social Profile**, 4, 33-43. [1]
13. Sharma, S., & Das, V. (2010). Kanker Jila Me Gramin Anusuchit Janjatiyo ki Shishu Matyarta per Shiksha ka Prabhav. **Uttar Pradesh Geographical Journal**, 15, 127-134, ISSN 0975-4903. [1]

NK Baghmar

1. Baghmar, N. K., Mustak, SK. & Ratre, C. R. (2012). Status of Air Quality in the Coal Mining Area: A Case Study of Jharia Coal Field. **Uttar Bharat Bhogol Patrika**, 42(3+4), 187-190. ISSN: 0042-1618. [1]
2. Baghmar, N. K., Mustak, SK. & Ratre, C. R. (2012). Measurement of Dissection Index of Pairi River Basin Using Remote Sensing and GIS. **National Geographical Journal of India**, 58(2), 97-106. ISSN: 0027-9374/2012/1431-1444. [1]
3. Baghmar, N. K., Yadav, S. K. & Ratre, C. R. (2011). Climatic Fluctuations in Durg district of Chhattisgarh. **Research Journal of Humanities and Social Science**, 2(3), 149-153. ISSN-0975-6795. [1]
4. Baghmar, N. K., & Mustak, SK. (2011). "Morphometric Analysis of Pairi River Basin Using Remote Sensing And GIS" **E Proceeding** of 'The 32nd Asian Conference on Remote Sensing' Organized by Chinese Taipei Society of Photogrammetry and Remote Sensing Center for Space and Remote Sensing Research, National Central University(NCU), Asian Association on Remote Sensing (AARS). Taiwan. [1]
5. Baghmar, N. K. (2011). Environment and Remote Sensing. **Proceeding of National Seminar on Environment Ecology And Remote Sensing**, Organized by Deppt of Geography, Govt D.K. P.G. College Balodabazar, C.G, 1-2. [1]
6. Baghmar, N. K., Mustak, SK. & Ratre, C. R. (2011). Resource Potential and Sustainable Development of Chhattisgarh State. **Proceeding of National Seminar** on Management of Resources Utilization and Sustainable Development, Organized by Dept of Comm. & Management Govt. VYTPG College, Durg, 8-12. [1]
7. Baghmar, N. K. (2010). Water resource Conservation for Sustainable Life Style. **Proceedings National seminar** on A New Geo-historical Approach to Modern Environmental Issues, Organized by Pingla Thana Mahavidyalaya, Maligram, Paschim Medinipur, W.B., 72-77. [1]
8. Baghmar, N. K. (2010). Delineation of Crop Combination Region using R. S. and GIS: A Case Study of Seonath Basin **e-proceedings of IGU Commission Seminar** on Land use, Biodiversity and Climatic Change, Organized by Cotton College Guwahati, Assam. [1]

U Gole

1. Gole, U. (2015). Jashpur Jile ke Uraow Janjatiyon me Rongon ki Sthiti me Rongopchar, **International Journal of Reviews and Research in Social Sciences**, 3(2), 89-93. ISSN No-2347-5145. [1]
2. Gole, U. & Sahu, P. (2014). Durg jile me Sinchai ke Pramukh Saurth, **Uttar Pradesh Geographical Journal**, 19, 93-99, ISSN 0975-4903. [1]
3. Gole, U. (2014). Food Security Conditions in Chhattisgarh, **Research Journal of Sciences and Technology**, 1, 01-05. ISSN: 0975-4393. [1]
4. Gole, U., Siddiqui, N. K. & Sahu, P. (2013). Agricultural Region of Chhattisgarh- Spatio-Temporal Transformation, **Jamia Geographical Studies**, 13(2), 102-108. [1]
5. Gole, U. (2012). Jila Kabirdham me khadya Suraksha ki dashaye, **Rashtriya Bhagolik patrika**, 1, 65-72. ISSN: 2230-9942. [1]

6. Gole, U. (2011). Jila Rajnandgaon (C.G.) may Shasay Vividhata may privartan **Earth Surface View**, 2(1), 62-65. ISSN 0976-0768. [I]
 7. Gole, U. (2011). Jila Durg(C.G.) ka Bhumi Upayaog awam Shashya Gahanta ka kalik avam Sthanik Swaroop, **Research Journal of Humanities and Social Sciences**, 2, 73-83. ISSN-0975-6795. [I]
 8. Gole, U. (2010). Development of Village Information System for Resource planning using Remote sensing and GIS techniques”. A case study of Raikhali village, Almora Uttarakhand, **Research Journal of Science and Technology** 1(1), 73-76. [I]
 9. Gole, U. (2010). Kanker jile ke Gond Janjati me Jivan ki Gunwatta ka Sttar. **Research Journal of Humanities and Social Sciences**, 2, 73-76. ISSN-0975-6795. [I]
 10. Gole, U. (2010). Spatial Evaluation of Land Utilization Patrapathra Village, Bilaspur District (C.G.), **Research Journal of Humanities and Social Sciences**, 1(1), 37-41. ISSN-0975-6795. [I]
23. [Details of patents and income generated](#)
None
24. [Areas of consultancy and income generated](#)
Honorary consultancy service provided to various public sector enterprises and commercial agencies of the State.
25. [Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad](#)
IIRS Dehradun, May-June 2013 – NK Baghmar
26. [Faculty serving in](#)
- a) [National committees](#)
 - b) [International committees](#)
 - c) [Editorial Boards](#)
 - d) [any other \(please specify\)](#)

ZT Khan

National committees

- Advisor, Staff Selection Commission since 2010 till date
- Member, BoS in Geography, University of Pune, 2010
- Chairman, BoS in Geography, Pt. Ravishankar Shukla University, Raipur, 2010-2011
- Convener, National Conference on Sustainable Resource Development and Management SoS in Geography, PRSU Raipur (C.G.)

Editorial Board

- Member of Research Journal - Educational Waves

A Baghel

National committees

- Chairman, SoS in Geography, Pt. Ravishankar Shukla University, Raipur, 2011-2014.
- Coordinator, Refresher course on “Researches on Global Change” from 5-25 August, 2014.
- Director, National Conference on “Sustainable Resource Development and Management” and Workshop on “Advance Cartography and Thematic Mapping” SoS in Geography, PRSU Raipur (C.G.)

Editorial Board

- Member of Deccan Geographer
- Member, Journal of Ravishankar University, Part A (Social Science) from 2012 to till date
- Member, Journal of Bengal Geographers

S Sharma

National committees

- UGC Observer Committee Panel of JRF/NET Since 2010 till date.
- Co-opted Executive member NAGI (2010-11)

- Vice President NAGI (2012-13)
- Executive Member NAGI (2014-17)
- Executive member IIG (2013-17)
- Member of National Organising Committee of National Seminar, HNB University, Srinagar, Garhwal, Uttarakhand
- UGC Nominee of the UGC's SAP Advisory committee Dept. Of Geography, Ranchi University, Ranchi, 2012 to till date
- Chairman, BoS in Geography, Pt. Ravishankar Shukla University, Raipur, 2014 to till date
- Convener, Workshop on Advance Cartography and Thematic Mapping, SoS in Geography, PRSU Raipur

Editorial Board

- Research Journal – Practising Geographer, Kolkata

NK Baghmar

National committees

- Chairman, BoS in Geography, Bilaspur University Bilaspur, 2013 to till date
- Coordinator DST-FIST Program SoS Geography, 2014-2019.
- Subject Expert M.P. P. S. C. and C. G. P.S.C. 2013, 2014, 2015.
- Secretary, National Conference on “Sustainable Resource Development and Management” and Workshop on “Advance Cartography and Thematic Mapping” SoS in Geography, PRSU Raipur (C.G.)

U Gole

- Member of Executive Committee & Core Committee Goa Associate Geographer, Goa
- Member, Staff Selection Commission 2011 & 2014.
- Member of Advisory Committee, Interdisciplinary National Seminar on Regional Disparities, Development and Challenges in India, Govt. College, Sikkim, 2015
- Member of Research Journal of Humanities and Social Sciences

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
NK Baghmar	SAKSHAM Champion Training Program, ICT (NME-ICT)	12-22 Dec. 2011
	IIRS- Dehradun, Remote Sensing and GIS Techniques 2014.	2014
U Gole	Workshop How to write Research Project & Research paper, Academic Staff College, RSU, Raipur	4-10 Jan. 2011
	SAKSHAM Champion Training Program, ICT (NME-ICT)	12-22 Dec. 2011
	Advance Cartography and Thematic Mapping SoS in Geography, PRSU, Raipur	17-23 Oct.2013
	Yoga for Women – Academic Staff College, PRSU, Raipur	3-14 Aug. 2014
	One-Day Workshop-cum-Training SYSTAT 13, IQAC, PRSU, Raipur	27 August 2015
Program Organized		
Workshop on “Advanced Cartography and Thematic Mapping”		17-23 Oct. 2013

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects
 - percentage of students doing projects in collaboration with other universities/industry/institute: Nil

Session	M. A. (Field Work Report (Physical and Socio-Economic))	M.Phil. (Dissertation)
2010-2011	-	100
2011-2012	100	100
2012-2013	100	100
2013-2014	100	100
2014-2015	100	100

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Faculty

ZT Khan

National

- (i) Chairperson in one Technical Session, “National Conference on Water Resource Development And Conservation, Department of Geography, Bilasa Girls (Auto) College Bilaspur, 7-8 Jan 2011
- (ii) Chairperson in one Technical Session National Conference on ‘Environment Ecology and Remote Sensing’ Govt. P.G. College, Baloda Bazar, 11-12 Feb. 2011
- (iii) Chairperson in one Technical Session National Seminar on ‘Biodiversity and Agricultural Development: Issues and Perspectives’. Seth Phoolchand Smriti Mahavidyalay, Nawapara-Rajim, 19-20 Jan., 2012.
- (iv) Chairperson in one Technical Session National Seminar on ‘Tribal Development in Chhattisgarh: Problems and Prospects’. Govt. Chhattisgarh College, Raipur, 15-16 Feb. 2012.
- (v) Chairperson in one Technical Session, International Conference of ‘Deccan Geographical Society on Environment, Tourism and Development’. University of Mysore, 22 Feb., 2012
- (vi) Chairperson in one Technical Session, “National Conference on ‘Global Warming: Crisis Confronting Human Survival’” Govt. Kamla Devi Girl’s College, Rajnandgaon, 19/01/2013

A Baghel

National

- (i) Chairperson in one Technical Session, “National Conference on Water Resource Development And Conservation, Department of Geography, Bilasa Girls (Auto) College Bilaspur, 7-8 Jan 2011
- (ii) Chairperson in one Technical Session National Seminar on ‘Biodiversity and Agricultural Development: Issues and Perspectives’. Seth Phoolchand Smriti Mahavidyalay, Nawapara-Rajim, 19-20 Jan., 2012.
- (iii) Chairperson in one Technical Session National Seminar on ‘Regional Development in the Era of Globalization, Liberalization and Privatization, Govt. Digvijay P. G. Auto. College, Rajnandgaon, 1-2 Feb. 2012.

S Sharma

National

- (i) Shiksha Ratan Puraskar – By India International Friendship Society, New Delhi, 21st January, 2011.
- (ii) The Best Citizens Of India Award 2014 – By International Publishing House, India International Friendship Society, New Delhi, 2014.
- (iii) Geography Teacher Award 2014- By 36th DGS International Geography Conference on Tourism Environment and Development, February 2015.
- (iv) Eminent Scientist Of The Year 2014 – International Conference on Environment and Ecology, Kolkata, Scientific and Environmental Research Institute, Kolkata (W. B.) March 2015.
- (v) Chairperson in one Technical Session, “National Seminar on ‘36th Indian Geography Congress (NAGI)’” Dept. of Geography, Uni. of Rajasthan, Jaipur, India, 17-19 Nov.

2014.

- (vi) Chairperson in one Technical Session, on IX DGSi International Geography Conference” Dept. Of Geography, Magadh University, Bodhgaya, Bihar, India, 26-28 feb. 2015.

Doctoral students

Award

National

2013

1. SK Mustak – Young Scientist Award 2013, CCOST
2. Sanjib Pramanik - Young Scientist Award 2013, MPCOST

Fellowship

2010-2015

1. Sk Mustak: Senior Research Fellow (SRF), Maulana Azad National Fellowship, UGC, New Delhi (2011)
2. Nausheen Anjum: Senior Research Fellow (SRF), Maulana Azad National Fellowship, UGC, New Delhi (2011)
3. Nagma Kausar Siddiqui: Junior Research Fellow (JRF), Maulana Azad National Fellowship, UGC, New Delhi (2011)
4. Ushma Khandekar: Junior Research Fellow (JRF), Rajiv Gandhi National Fellowship, UGC, New Delhi (2012)
5. Sewan Bharti: Junior Research Fellow (JRF), Rajiv Gandhi National Fellowship, UGC, New Delhi (2012)
6. Saraswati Devi: Junior Research Fellow (JRF), Rajiv Gandhi National Fellowship, UGC, New Delhi (2013)

M. Phil. Student

Fellowship

1. Laxmi Dhruw: Rajiv Gandhi National Fellowship, UGC, New Delhi (2011)
2. Pankaj Markandey: Rajiv Gandhi National Fellowship, UGC, New Delhi (2011)
3. Krishna Narang: Rajiv Gandhi National Fellowship, UGC, New Delhi (2013)
4. Shivnath Ekka: Rajiv Gandhi National Fellowship, UGC, New Delhi (2015)
Travel support to attend International Conference

Other recognition

1. N. K. Baghmar: Paper Presented in 32nd Asian Conference on Remote Sensing for Green Asia 2011, Taipei, Taiwan, Foreign Travel grant Provided by Chhattisgarh Council of science and technology, Raipur, Chhattisgarh, 2011.
 2. SK Mustak: Paper Presented in 32nd Asian Conference on Remote Sensing for Green Asia 2011, Taipei, Taiwan, Foreign Travel grant Provided by Chhattisgarh Council of science and technology, Raipur, Chhattisgarh, 2011.
 3. SK Mustak: Paper Presented in ISPRS 2nd International Conference on Sensor and Models in Photogrammetric and Remote Sensing Oct. 5-8 2013, Tehran (Iran) Foreign Travel grant provided by Department of Science and Technology (DST), New Delhi, 2013.
30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

National Conferences

	Program	Source of funding	Outstanding participants
Conference	National Conference on Sustainable Resource Development and Management, 21-23 Jan. 2014	PRSU, CCOST, SBI PRSU	D. N. Verma, D. K. Nayak, H. S. Gupta, Jagdish Singh, J. N. Pandey, M. P. Gupta, Manju Mitra, P. K. Rath, P. S. Tiwari, R. B. Singh, R. V. Verma, S.K. Sharma, S.N. Tripathi, S.M. Rashid

Workshop	Workshop on Application of Remote Sensing and Geographical Information System in Geography, 19-25 May 2014	Self-Finance	M.K. Ozha
----------	--	--------------	-----------

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Research Degree Committee (RDC)
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A./M.Sc. Geography					
2010-2011	49	31	18	100	100
2011-2012	57	39	18	100	100
2012-2013	55	27	28	100	100
2013-2014	52	28	24	93.54	100
2014-2015	43	23	20	100	100
2015-2016	40	24	16	-	-
M.Phil. Geography					
2010-2011	09	06	03	83.33	100
2011-2012	10	01	09	100	100
2012-2013	10	09	01	83.33	100
2013-2014	09	04	05	75	100
2014-2015	05	02	03	100	100
2015-2016	08	04	04	-	-
Ph.D. Geography					
2010-2011	-	-	-	-	-
2011-2012	-	-	-	-	-
2012-2013	12	07	05	-	-
2013-2014	14	09	05	-	-
2014-2015	03	02	01	-	-
2015-2016	03	01	02	-	-

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State
M.A./M.Sc.	2014-15	24.24	4.55	71.21
M.Phil.	2014-15	80	08	12
Ph. D.	2014-15	100	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Rajkumar Patel	Assistant Professor (PSC)	2012	OBC
2.	Prakash Sahu	Assistant Professor (PSC)	2012	Gen
3.	Abha Toppo	Assistant Professor (PSC)	2012	ST
4.	Rameshwar Thakur	Assistant Professor (PSC)	2012	ST
5.	Rintu Sarkar	UGC NET JRF	2012	Gen
6.	Sk. Mustak	UGC NET JRF	2013	Gen
7.	Sk Nasib Ahmed	UGC NET JRF	2014	Gen
8.	Sk. Mustak	UGC NET JRF	2014	Gen
9.	Digesh Kumar Sahu	UGC NET	2010	OBC
10.	Subhash Satnami	UGC NET	2011	SC

11.	Yatinandini Patel	UGC NET	2012	OBC
12.	Shalini Verma	UGC NET	2012	OBC
13.	Prakash Sahu	UGC NET	2012	Gen
14.	Omprakash Janghel	UGC NET	2012	OBC
15.	Nataraj Mandal	UGC NET	2012	Gen
16.	Avijit Mahala	UGC NET	2012	Gen
17.	Chaitram Ratre	UGC NET	2012	SC
18.	Arup Kumar Atta	UGC NET	2012	Gen
19.	Sk. Mustak	UGC NET	2012	Gen
20.	Chandan Singh Rathore	UGC NET	2012	OBC
21.	Brijlal Patel	UGC NET	2012	OBC
22.	Nayan Dey	UGC NET	2012	OBC
23.	Hyuma Lily Diwan	UGC NET	2012	ST
24.	Chandan Singh Rathore	UGC NET	2013	OBC
25.	Shuchita Baghel	UGC NET	2013	OBC
26.	Agnisha Chakraborty	UGC NET	2014	Gen
27.	Sandip Bera	UGC NET	2014	Gen
28.	Sunita Kumari	UGC NET	2014	SC
29.	Shuchita Baghel	UGC NET	2014	OBC
30.	Chaitram Ratre	CG SET	2013	SC
31.	Brijlal Patel	CG SET	2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	25
PG to Ph.D.	50
Ph.D. to Post-Doctoral	Nil
Employed	
Campus selection	-
Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	80 %
from other universities within the State	20 %
from universities from other States	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a)	Internet facilities for staff and students	Yes
b)	Total number of class rooms	03
c)	Class rooms with ICT facility	03
d)	Students' laboratories	01 (RS & GIS Lab)
e)	Research laboratories	01

39. List of doctoral, post-doctoral students and Research Associates

Research Associates:

1. Vandana Yadav, ICSSR (2012 – 2014)
2. Umalata Soni, UGC (2012 – 2014)
3. Vijay Bahadur Jain, UGC (2011 – 2013)

Currently working [Registered/ Admitted] for Ph. D.

S. No.	Name of Research Scholar	Name of Guide	Year of Registration
1.	Shyama Prasanna Mukherjee	ZT Khan	08.07.2011
2.	Laxmi Nayak		08.07.2011
3.	Brijlal Patel		08.07.2011
4.	Rajvansh Kour Kohli		08.07.2011
5.	Yogita Sahu	A Baghel	08.07.2011
6.	Mili Chandrakar		08.07.2011
7.	Ananda Mohan Maity		03.07.2012
8.	Shitendra Kumar Sahu		03.07.2012
9.	Ushma Khandekar		03.07.2012
10.	SK Nasib Ahmed		12.07.2013
11.	Yatinandini Patel	S Sharma	08.07.2011
12.	Deepchand Ahirwar		08.07.2011
13.	Sewan Kumar Bharati		08.07.2011
14.	Omkumari Varma		03.07.2012
15.	Meenakshi Tamrakar		03.07.2012
16.	Sanyogita Chandrakar	NK Baghmar	08.07.2011
17.	Aruna Kujur		08.07.2011
18.	Papiya Nag Choudhury		12.07.2013
19.	Tisha Dey		12.07.2013
20.	Payal Sahu	U Gole	08.07.2011
21.	Nagma Kausar Siddiqui		08.07.2011
22.	Vimal Kumar Dewangan		08.07.2011
23.	Arup Kumar Atta		08.07.2011
24.	Hemant Kumar Thakur	KN Prasad/S Sharma	08.07.2011
25.	Duman Lal	KN Prasad/A Baghel	12.07.2013
26.	Sanjib Pramanik	KN Prasad/NK Baghmar	12.07.2013
27.	Chadidas patra	AK Mishra/ZT Khan	12.07.2013
28.	Girdhar	AK Mishra/A Baghel	12.07.2013
29.	Chandan Singh Rathore	AK Mishra/A Baghel	12.07.2013
30.	Leeleshwari	AK Mishra/ZT Khan	12.07.2013
31.	Agnisha Chakraborty	TL Verma/ NK Baghmar	03.07.2012
32.	Suresh Kumar	TL Verma/ NK Baghmar	12.07.2013
33.	Digesh sahu	TL Verma/ ZT Khan	03.07.2012
34.	Saraswati Devi	TL Verma/ NK Baghmar	03.07.2012

Doctoral Degree Awarded 2010-2015

S. No.	Name of Student	Guide	Year
1.	Tike Singh	A Baghel	2010
2.	Rituparna Dhara	S Sharma	2010
3.	Anoj Ekka	A Baghel	2010
4.	Suchita Baghel	S Sharma	2010
5.	Santosh Kumar Yadav	NK Baghmar	2010
6.	Sunita Sonwani	ZT Khan	2010
7.	Ramanand Goswami	NK Baghmar	2011
8.	Shradha Devi Sahu	ZT Khan	2011
9.	Gouri Verma	NK Baghmar	2011
10.	Bandana Das	S Sharma	2012
11.	Pratima Vishwakarma	A Baghel	2012
12.	Shahazadi Begum	ZT Khan	2012
13.	Shyambati Shandil	MP Gupta	2012
14.	Tripti Rajput	A Baghel	2013
15.	Jyoti Yadav	MP Gupta	2013
16.	Jeetendra Hota	MP Gupta	2013
17.	Deepak Kumar Maity	NK Baghmar	2015
18.	Nansheen Anjum	ZT Khan	2015

from the host institution/university	Doctoral Students: 18
from other institutions/universities	Nil

40. Number of post graduate students getting financial assistance from the university.

There is no provision of PG scholarship in the University; however, ST, SC and OBC students get financial assistance from the State Government through the University.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department no new program was introduced during the period of this assessment.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes, During Staff council meetings, all the aspect of the teaching-learning evaluation is discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	A confidential written feedback is taken from the students of the entire course offered about the overall performance of teachers.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	Department organize the alumni meet , Parent teacher meet regularly , and takes feedback from the alumni and parents about the progress of the department regarding the courses, research activity etc.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Manju Salil Mitra	M.A. Ph.D.	1967 1976	Retd. Principal, Govt. College, Bilaspur
2.	Jai Laxmi Thakur	M.A.	1969	Former Vice-Chancellor, Bastar University, Jagadalpur
3	AR Chandraker	M.A. Ph.D.	1974 1979	Former Vice-Chancellor, Pt. Sunderlal Sharma Open University Bilaspur
4	Durgesh Chandra Mishra	M.A.	1975	Former Secretary, C. G. Government
5	Onkar Yadu	M.A.	1979	Joint Collector, C. G. Government
6	Khirod Mahapatra	M.A.	1979	Special Secretary to CM for Tribal Affair C. G.
7	Amrit Lal Xalxo	M.A.	1985	Director, C. G. State Seed Corporation
8	Kamlochan Kashyap	M.A.	1988	Superintendent of Police, C. G. Police
9	Melaram Ahire	M.Phil.	1989	Superintendent of Police, C. G. Police
10	Bipin Manjhi	M.Phil.	1992	Upper Collector, C. G. Government

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

S. No.	Organized	Participated/Attended
1.	Workshop on “Advanced Cartography and Thematic Mapping” 17-23 Oct. 2013	57
2.	National Conference on “Sustainable Resource Development and Management” 21-23 Jan. 2014	121
3.	Workshop on – “Application of Remote Sensing and Geographical Information System in Geography” 19-25 May 2014	25
4.	Extension Lecture on – “Region and Regionalization of	36

	India”, 21 Jan. 2012. Expert - R. P. Sharma.	
5.	Extension Lecture on – “Population Development in the Core and Sustainable Development” 31 August 2012. Expert - M. B. Singh	45
6.	Extension Lecture on – “Regional Planning and Poverty in India. 16-17 Feb. 2012. Expert - P. S. Tiwari	62
7.	Extension Lecture on – “Transformation of Human Activities and Emerging Environmental Issues. 29 Jan. 2014. Expert - S. K. Shukla	48
8.	One Day Seminar on “Nature of Geography and Regional Planning” 19 Nov. 2011 Expert - H. S. Gupta and “Explanation in Geography” 19 Nov. 2011 Expert - M. P. Gupta	57
9.	Extension Lecture on “Research Methodology” 14-15 March 2013, Expert - Aslam Mahmmod and SK Shukla	89

45. List the teaching methods adopted by the faculty for different programs.

1. Class Room Teaching
2. Power Point Presentation (LCD)
3. Class room discussion
4. Continuous Assessment

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

- Interactive method: Seminars/ Class presentations and Group discussions
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.
- Broad band internet facility is available which encourages the faculty to fit with computer assisted learning.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in Staff Council Meetings held regularly monthly basis.
- Discussions and monitoring on results at end of each session and reforms required
- Internal Assessment /Continues evaluation by Class test and Presentation
- Regular viva-voce in practical

47. Highlight the participation of students and faculty in extension activities.

- Publication of popular articles by faculty in newspapers
- Participation in national program organized/announced by national agencies
- Cleanliness drive – Class room, Garden and Campus.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Extension Lecture and Seminar through Academic Forum

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Articles in Book

1. Khan ZT (1981) Demographic Characteristics of Urban Out - Growth in Class I and II Towns of Madhya Pradesh", in 'New Perspectives in Geography', L.R. Singh, (ed.) pp. 154-161, Thinkers' Library, Allahabad.
2. Khan ZT (1983) "Spatial Analysis of the Level of Regional Development in Madhya Pradesh" in 'Modern Geographical Trends' P. Pandey, (ed.) Today and Tomorrow, New Delhi.
3. Khan ZT (1988) Urban Land Policy and Finance in Madhya Pradesh : a Case Study of Raipur City, In India's Urban Land Policy and Development Finance, R. C. Sharma (ed.) pp. 229-235, Seema Publication Delhi.

4. Khan ZT (1989) "Agricultural Landuse, Availability of Food and Nutrition in Tribal Villages of Chhattisgarh Basin" in 'Tribal Eco-System and Malnutrition in India', P.D. Tiwari & A.N. Sharma (eds). Northern Book Centre, New Delhi.
5. Khan ZT (1990) Agriculture Landuse and State of Nutrition in Tribal Villages of Chhattisgarh Basin" in Proceedings of Symposium on Chhattisgarh Agricultural Systems - Accomplishments, Present Status and Future Strategies' D.K. Marothia & A.P. Mukherjee, (eds). Indira Gandhi Agriculture University, Raipur.
6. Khan ZT (1990) "Situation of Agriculture, Food and Nutrition in Tribal Villages of Chhattisgarh Basin" in 'Dietary Habits in Tribal India', P.D. Tiwari, (ed.) Mayank Publications, Sagar.
7. Khan ZT (1998) "Strategy for Road Transport Network Planning in Seonath Basin" in 'Readings in Transport Geography: A Regional Perspective', B.C. Vaidya, (ed.) pp. 203-218, Devika Publications, Delhi.
8. Khan ZT (2005) "Environmental Hazards in Korba City with special reference to Slums" in Population and Environment Issues and Sustainable Development P.K. Rath & others (eds.) Proceedings of the IInd International Geographers' Meet of Geographers' Association Goa (GAG).
9. Khan ZT (2005) "Socio-Economic Status of Scheduled Castes in Sheonath Basin" in Population and Environment Issues and Sustainable Development P.K. Rath & others (eds.) Proceedings of the IInd International Geographers' pp. 64-68, Meet of Geographers' Association Goa (GAG).
10. Khan ZT (2006) "Spatial Pattern of Literacy in Chhattisgarh", Proceeding of II Annual Conference of Chhattisgarh Economic Association, Raipur.
11. Khan ZT (2006) "Economic and Occupational Structure of Women in Slums", Proceeding of II Annual Conference of Chhattisgarh Economic Association, Raipur.
12. Khan ZT (2007) "Housing Condition and Planning in Urban Fringe of Raipur City" in Proceedings of National Seminar on Regional Planning: Development & Planning, Govt. Girls' P.G. College, Raipur.
13. Khan ZT (2007) "Environmental Management in Rural Urban Fringe in Raipur City" in Proceedings of National Seminar on Regional Planning: Development & Planning, Govt. Girls' P.G. College, Raipur.
14. Khan ZT (2009) "Prakritik Sansadhan Prabandhan" Proceeding of National Seminar on Sustainable Development and Sustainable Life Style Issues & Perspective, published by P.G. Deptt. Of Geog., Seth P.C. Agrawal Smriti Mahavidhyalaya, Nawapara Rajim. pp. 16-20.
15. Khan ZT (2009) "Seonath Basin me Mehar Jati ki Arthik Sthiti" Proceeding of National Seminar on Sustainable Development and Sustainable Life Style Issues & Perspective, published by P.G. Deptt. Of Geography, Seth Phoolchand Agrawal Smriti Mahavidhyalaya, Nawapara Rajim, pp 78-82.
16. Khan ZT (2009) "Seonath Basin me Anusuchit Jatiyon ki Janankikiya Visheshtayen" Proceeding of National seminar on Resource conservation and Environment 13-14th Feb 2009, Dept. Of Geography, Govt. Bilasa Girl's P.G. (Auto.) College, Bilaspur, pp. 45-47.
17. Khan ZT (2010) Nutritional Status of Muslim Majority Slums in Durg Bhilainagar Twin City" on E-Proceeding of International Geographical Union (IGU) Commission Seminar, 11-13 Dec. 2010, Guwahati.
18. Khan ZT (2012) "Chhattisgarh ki Vishesh Pichhadi Janjatiyon ki Samsyayen", Proceeding of National Conference on "Tribal Development in Chhattisgarh: Problems and Prospects" 15-16 Feb. 2012, Organized by Govt. Chhattisgarh College, Raipur, pp. 60-63.
19. Khan ZT (2013). "Population Composition and Growth of Raipur" Challenges of Urbanization in the 21st Century, Vol. 3, Planning and Governance, Kalpana Markandey & Others, Concept Publishing Company Pvt. Ltd. New Delhi, pp 160-168.
20. Baghel A (2008). Fertility in the Industrial City of Bhilai Nagar, India In Explorations in Applied Geography, A. K. Dutt, H. N. Mishra & M. Chatterjee (eds.) pp. 365-384, L.R. Singh Felicitation Volume, Prentice-Hall of India Private Limited, New Delhi.
21. Baghel A (2008). Urban Fertility in the Region of Sluggish Fertility Transition in India: A case Study of Raipur City, Chhattisgarh State In *Environment, Resources and Sustainable Development*, S.M. Rashid, M. Ishitiyaq, Haseena Hashia and Atiqur Rahaman (eds), pp. 168-198, Rawat Publications, New Delhi.
22. Gole U (2013). Agricultural Region of Chattisgarh – Spatio Temporal Transformation In *Jamia Geographical Studies*, M. H. Qureshi (ed.) Vol. 2, pp. 102-108, Manak Publication, New Delhi.

Book

1. Khan, ZT (1990). Environmental Crisis And Urban Planning, Ashish Publishing House, New Delhi.
2. Khan, ZT (1993). Bilaspur: A Study in Urban Geography, Northern Book Centre, New Delhi.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Article in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.A.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Well equipped Remote Sensing and GIS lab through DST-FIST
- Good demand of graduates of the department
- Cosmopolitan nature of Students

Weaknesses

- Collaborative Research
- Limited contribution in consultancy services
- Limited publications in high index journals

Opportunities

- Consultancy in the field of Remote Sensing and Geographical Information System
- Job Oriented Course
- Scope for Geo Informatics

Challenges

- Consultancy in the field of urban development and planning
- Application of GIS in rural and forest management

52. Future plans of the department.

- Participation in regional agriculture, Population Studies, Regional Development and Planning, Resource Development, Urban and Social Geographical studies
- Post graduate diploma in Geo Informatics
- Plans to establish Soil Testing Lab and a Museum
- Formalization of consultancy services

Evaluative Report of the Department

1. Name of the Department: School of Studies in Geology & WRM
2. Year of establishment: 1984
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Geology	1984
2.	M.Sc.	PG	Geophysics	2012
3.	Diploma	PG	Watershed Management	1990
4.	Diploma	PG	Remote Sensing & GIS	1995
5.	M.Phil.	Research	Geology	1987
6.	Ph.D.	Research	Geology	1986
7.	Certificate Course	PG	Watershed Management Technology	2000

5. Interdisciplinary programs and departments involved :
No
6. Courses in collaboration with other universities, industries, foreign institutions, etc.:
No
7. Details of programs discontinued, if any, with reasons:
None
8. Examination System:
Annual – M.Phil.
Semester – M.Sc. with Choice Based Credit System from the Academic Session 2015-2016
9. Participation of the department in the courses offered by other departments:
On request with School of Studies in Environmental Science and Geography
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	4
Associate Professor	1	1	-
Assistant Professor	2	2	-
Others (Guest faculty)	-	-	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years
					Ph.D.
MWY Khan	MSc, PhD	Professor	Sedimentology, Geochemistry, Mineral Deposit	32	4(2)
SK Pande	MSc, MSc	Professor	Hydrogeology,	29	3(2)

	Tech, PhD		Remote Sensing		
N Bodhankar	M Tech, MPhil, PhD	Professor	Hydrogeology	25	(3)
KR Hari	MSc, PhD	Professor	Igneous Petrology, Geochemistry	27	1
*Currently working					

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

- Ram Mohan, Principal Scientist, NGRI, Hyderabad – Delivered lecture on 3-Sept 2014
- Greg J Shellnutt National Taiwan Normal University, Taiwan – Delivered lecture on 2nd March 2015

13. Percentage of classes taken by temporary faculty – program-wise information:

M.Sc. – 10% (only for one year: 2013-14)

14. Program-wise Student Teacher Ratio:

Session	M.Sc. (Geology)	M.Phil. (Geology)
2010-2011	5:1	0.8:1
2011-2012	5.6:1	0.5:1
2012-2013	8:1	1.2:1
2013-2014	7.9:1	-*
2014-2015	8.7:1	-*
2015-2016	9.5:1	-*
*None qualified in entrance examination		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

S. No.	Name of Post	Sanctioned	Filled	Actual
1.	Technical Officer	3	3	1 (2 relocated)
2.	Lab Technician	1	1	1
3.	UDC – II	1	1	1
4.	LDC/ Typist	1	0	0
5.	Peon	1	1	1

16. Research thrust areas as recognized by major funding agencies:

Petrology, Geochemistry, Mineral Deposit and Hydrogeology

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National					
S. No.	Name of Faculty	Funding Agency	Project Title	year	Amount (INR in Lac)
<i>Completed project</i>					
1.	KR Hari	DST, New Delhi	An integrated study of the dyke swarms and Deccan Traps of Chhotaudepur province, Lower Narmada Valley	2007-2010	24.23
<i>Ongoing project</i>					
1.	KR Hari	DST – SERB, New Delhi	Petrological and geological studies of the ultrabasic rocks around Boradiah area, north-eastern fringes of Bastar craton	2015-2018	20.13

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Year
National	<ul style="list-style-type: none"> CSIR-National Geophysical Research Institute (NGRI) Banaras Hindu University Central Ground Water Board Chhattisgarh Council of Science and Technology 	2013- 2018 2009-2019 2009-2019 2009-2018
International	<ul style="list-style-type: none"> Peking University, China California State University, Fresno National Taiwan Normal University Chinese Academy of Sciences 	2010-2017 2013-2018 2013-2018 2013-2018

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

None

20. Research facility/ centre with:

a) state recognition	None
b) national recognition	None
c) international recognition	None

21. Special research laboratories sponsored by / created by industry or corporate bodies

None

22. Publications:

Parameter	Number				Average
	SCOPUS		NON-SCOPUS		SCOPUS
	Indian	Foreign	Indian	Foreign	(Average)
o Number of papers published in peer reviewed journals (national / international)	03	09	01		4
o Monographs	-				
o Chapters in Books	01				
o Edited Books	-				
o Books with ISBN with details of publishers	-				
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	SCOPUS 12		Google Scholar 13		
o Total citation [SCOPUS/ Google Scholar]	Scopus: 181				
o SNIP	See table below				
o SJR	See table below				
o IPP	See table below				
o Impact Factor – range/ average	See table below				

Journal	Year	SJR	Impact factor
o Journal of Geodynamics	2015	1.188	2.217
o Journal of Asian Earth Science	2015	1.485	2.741
o Lithos	2015	2.461	4.482
o Journal Geological Society of India	2015	.35	0.596
o Frontiers of Earth Science	2015	.29	0.883
o Geoscience Frontiers	2015	1.271	-

o h-index [SCOPUS/ Google Scholar]	Faculty	SCOPUS	Google Scholar
	MWY Khan	04	-
	SK Pande	03	-
	N Bodhankar	03	-
	KR Hari	06	07

Publications of Faculty

MWY Khan

1. Mukherjee, A, Ray, Ranjan Kumar, Tewari, D, Ingle, V. K., Sahoo, B. K. and Khan, M. W. Y. (2014): Revisiting the stratigraphy of the Mesoproterozoic Chattisgarh Supergroup, Bastar Craton, India. **Jour. Earth Sys. Sci.** 123, No. 3, pp. 617-632.

SK Pande

International Journal

1. Chalapathi Rao, N.V., Lehmann, B, Burgess, R., Pande, S.K., Hari, K.R., 2010. Mafic dykes of Deccan age in the Chhattisgarh (Mesoproterozoic) Basin, Central India: implications for the origin and original spatial extent of the Deccan Large Igneous Province LIP of the Month, www.largeigneousprovince.org
2. Chalapathi Rao, N.V., Burgess, R., Lehmann, B, Mainkar, D., Pande, S.K., Hari, K.R., Bodhankar, N., 2011. $^{40}\text{Ar}/^{39}\text{Ar}$ ages of mafic dykes from the Mesoproterozoic Chhattisgarh basin, Bastar Craton, Central India: Implication for the origin and spatial extent of the Deccan Large Igneous Province, *Lithos*, Vol. 125, pp 994-1005

National Journal

1. Pande, S.K., Bisen, S.N., 2011. Arsenic contamination in groundwater of Durgapur Coal Mine Area, Chandrapur District, Maharashtra. *Vistas in Geological Research*, UU Spl Pub in Geology, Vol 10, pp 8-14
2. Pande, S.K., Bisen, S.N., 2013. Hydrogeochemistry of Boron in Borewell water of Durgapur Coal Mine Area, District Chandrapur, Maharashtra, India. *Journal of Environmental Science and Engineering*, Vol. 55 (3), pp 307-316

N Bodhankar

1. Deb, MK, D Verma, SK Verma, N Bodhankar, and JK Sircar (2010): Quantitative analysis of inorganic ions in soil employing diffuse reflectance Fourier transform infrared spectroscopy (DRS-FTIR). *J. Indian Chem. Soc.*, Vol. 87, November 2010, pp. 1317 – 1327;
2. Chalapathi Rao N.V., Burgess R., Lehmann B., Mainkar D., Pande S.K., Hari K.R., Bodhankar N. (2011): $^{40}\text{Ar}/^{39}\text{Ar}$ ages of mafic dykes from the Mesoproterozoic Chhattisgarh basin, Bastar craton, Central India: Implication for the origin and spatial extent of the Deccan Large Igneous Province. *LITHOS*, Vol. 125, Nos. 3 - 4, pg. 994 - 1005, ISSN 0024-4937.
3. Iyengar Bhargava K., Bodhankar Ninad, Singh Satyam (2012): Environmental Impact Analysis Study of Gare Sector- III Coal Block, Mand-Raigarh Coalfield. *International Journal of Recent Technology and Engineering (IJRTE)*, ISSN: 2277-3878, Volume-1, Issue-3, pp. 7-9.

KR Hari

1. K. R. Randive, K. R. Hari, M. L. Dora, D. B. Malpe and A. A. Bhondwe (2014): Study of Fluid Inclusions: Methods, Techniques and Applications; *Gondwana geological Magazine*; V. 29(1 and 2), June and December, 2014. pp.19-28;
2. Yan Zhan, Guiting Hou, K.R. Hari and Wulin Shu (In Press): Geochemical and isotopic constraints on the evolution of Late Paleozoic dyke swarms in West Junggar, Xinjiang, China; *Journal of Asian Earth Sciences*; doi:10.1016/j.jseas.2014.07.012
3. K.R. Hari, N.V. Chalapathi Rao, Vikas Swarnkar and Guiting Hou (2014): Alkali feldspar syenites with shoshonitic affinities from Chhotaudepur area: Implication for mantle metasomatism in the Deccan large igneous province; *Geoscience Frontiers*; Volume 5, Issue 2, March 2014, Pages 261–276

4. Guiting Hou and K.R. Hari (2014): Mesozoic-Cenozoic extension of the Bohai Sea: contribution to the destruction of North China Craton ; *Frontiers of Earth Science*; June 2014, Volume 8, Issue 2, pp 202-215
 5. Sandeep Vansutre, K.R. Hari and Neeraj Viswakarma (2013): Implications of Geochemistry in support of Palaeo-Proterozoic Tectonothermal Evolution of Bhopalpatnam Granulite Belt, Bastar Craton, Central India; *Journal Geological Society of India*, 2013, vol-81, pp 503- 513
 6. Wei Ju, Guiting Hou, K.R. Hari (2013): Mechanics of mafic dyke swarms in the Deccan Large Igneous Province: Palaeostress field modelling, *Journal of Geodynamics*, 2013, V-66, pp- 79-91
 7. K.R. Hari, N.V. Chalapathi Rao and Vikas Swarnkar (2011): Petrogenesis of gabbro and orthopyroxene gabbro from the Phenai Mata Igneous Complex, Deccan volcanic province: a product of concurrent assimilation and fractional crystallization" *Journal Geological Society of India*, 2011, V- 78, pp- 501-509
 8. N.V. Chalapathi Rao, R. Burgess, B. Lehmann, D. Mainkar, S.K. Pande, K.R. Hari, and N. Bodhankar (2011): ⁴⁰Ar/³⁹Ar ages of mafic dykes from the Mesoproterozoic Chhattisgarh basin, Bastar craton, Central India: Implication for the origin and spatial extent of the Deccan Large Igneous Province. *Lithos*, 2011, V- 125 (2011) 994–1005.
 10. Sandeep Vansutre and K.R. Hari (2010): Granulite belts of Central India with special reference to the Bhopalpatnam Granulite Belt: Significance in crustal evolution and implications for Columbia supercontinent. *Journal of Asian Earth Science*, 2010, V-39, pp- 794– 803.
 11. Guiting Hou, Yanxin Wang and K.R. Hari (2010): The Late Triassic and Late Jurassic stress fields and tectonic transmission of North China craton. *Journal of Geodynamics*, 2010, V-50, pp- 318–324
 12. N. V. Chalapathi Rao, B. Lehmann, R. Burgess, S. K. Pande and K. R. (2010): Mafic dykes of Deccan age in the Chhattisgarh (Mesoproterozoic) Basin, Central India: implications for the origin and original spatial extent of the Deccan Large Igneous Province. www.largeigneousprovinces.org, March 2010.
23. [Details of patents and income generated](#)
None
24. [Areas of consultancy and income generated](#)
Petrological Investigations and groundwater exploration. Income generated: Nil
25. [Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad](#)
None
26. [Faculty serving in](#)
- a) National committees: **None**
 - b) International committees:
 - c) Editorial Boards
 - d) any other (please specify):

MWY Khan

- State Level Committee on Environment, Government of Chhattisgarh;
- State Geological Programming Board, Government of Chhattisgarh

SK Pande

- State Geological Programming Board, Government of Chhattisgarh

N Bodhankar

- State level Committee on Lake Restoration, Directorate of Town & Country Planning, Government of Chhattisgarh
- State level Committee on Hazard Vulnerability & Risk Analysis, Department of Revenue & Disaster Management, Government of Chhattisgarh
- State Geological Programming Board, Government of Chhattisgarh

KR Hari

- Reviewer of research papers submitted in *Gondwana Research*, *Journal of Asian Earth Sciences*, *Geoscience Frontiers*, *Journal Geological Society of India*, *Ore Geology Reviews*, *Mineralogy and Petrology*, *Current Science*, *Gondwana Geological Magazine*; reviewed research project proposals submitted to DST; served/serving as member board of studies in geology at Govt.V.Y.T.PG. Autonomous college, Durg, Govt. Model Science College, Raipur, IGNOU, New Delhi

27. Faculty recharging strategies:

Participation in UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs as Resource Person.

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **100%**
- percentage of students doing projects in collaboration with other universities/industry/institute: **None**

29. Awards / recognitions received at the national and international level by

- Faculty: **None**
- Doctoral / post doctoral fellows: **None**
- Students: **None**

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

S. No.	Name of the Activity	Date	Source of Funding	Outstation Participants	Invited speakers
1.	National Seminar on Recent Researches in Earth & Atmospheric Sciences	22 – 24 February 2014	Univ. & CCOST	100	Talat Ahmed, DM Banerjee, HB Shrivastava, NVC Rao, KR Randive, Janki Andhariya, NK More, R Padi, BK Mahapatra, DM Mohobey
2.	Workshop on Traditional Water Conservation System & Its Importance in Urban Perspective	22 – 24 August 2014	INTACH	150	Maj Gen (Retd), LK Gupta, DK Marothia, DS Rai, Vinod Sao, NK Baghamar, Rahul Singh, A Galhotra, Zahid Ali, Sameet Bajpayee, Anil Sharma, TV Ramchandra

31. Code of ethics for research followed by the departments

Plagiarism Check, Anti-Ragging Committee, Mentoring Facility

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MSc Geology					
2010-11	20	09	01	01	06
2011-12	23	11	03	08	01
2012-13	32	14	00	04	01
2013-14	29	09	04	07	01
2014-15	35	11	04	09	03
MPhil					
2010-11	3	2	1	2	1

2011-12	3	1	2	Nil	2
2012-13	7	7	Nil	5	Nil
2013-14	3	2	Nil	Nil	Nil
2014-15	12	None Qualified			
PhD					
2011-12	2	2	-		
2012-13	2	2	-		
2013-14	3	1	2		
2014-15	None Qualified				

33. Diversity of students

Name of the Program [Refer to Question # 4]	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSc Geology				
2010-11	20	-	80	-
2011-12	40	-	60	-
2012-13	40	-	60	-
2013-14	40	40	20	-
2014-15	60	20	20	-
MPhil				
2010-11	100	-	-	-
2011-12	100	-	-	-
2012-13	100	-	-	-
2013-14	100	-	-	-
2014-15	None Qualified			

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Ten (10) in UPSC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil.	None Qualified
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	None
Employed	
<input type="checkbox"/> Campus selection	None
<input type="checkbox"/> Other than campus recruitment	30%
Entrepreneurs	40%

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	None
of the same university	25%
from other universities within the State	None
from universities from other States	75%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

No

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	05

c) Class rooms with ICT facility	Two LCD Projectors are available and are used according to the requirement
d) Students' laboratories	05 + 01 Workshop
e) Research laboratories	01

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Bhumika Das	MWY Khan	2012	Geology
2.	Harish Kumar	SK Pande	2012	Geology
3.	Jyoti Chandrawanshi	SK Pande	2013	Geology
4.	Shahid Ali	MWY Khan	2013	Geology

ii. Post-doctoral: None

iii. Research Associates: None

b) from other institutions/universities

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Prashant Kawishwar	N Bodhankar	2011	Geology
2.	Mirza Kalem Baig	N Bodhankar	2011	Geology
3.	Amit Prakash Multaniya	N Bodhankar	2011	Geology

ii. Post-doctoral: None

iii. Research Associates: None

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Purnima Bramhe	DP Kuity	2012	Geology

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes. A new course in Gemology has been proposed by the School under BVoc category. The assessment exercise has been carried out with the help of Industry. Further the National Skill Qualification Framework and Gap Analysis Report of Government of India was consulted to formulate the course content.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes. The matter is discussed in the Staff Council Meeting and the changes, if any, are communicated to the University.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Yes, and incorporated accordingly.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	No.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Ajay Kumar Atri	MSc	1987	IRS, Income Tax Commissioner
2.	Arunangshu Mukherjee	MSc	1987	Hydrogeologist, CGWB
3	Anurag Choubey	MSc	1988	Geologist, NMDC
4	Vinanyak Tiwari	MSc	1988	Geologist, NMDC
5	Anil Kumar Rai	MSc	1996	IFS, High Commissioner, Mynmar
6	Ashish Vaidya	MSc	1998	Geologist, Rio Tinto, Australia
7	LikeshNayak	MSc	2000	Geologist, UAE
8	KundanBanjare	MSc	2007	Mining Officer, CG Government
9	Pawan Kumar Sahu	MSc	2010	Geologist, GSI
10	Stuti Nigam	MSc	2012	Mining Inspector, CG Government

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- Ram Mohan, Principal Scientist, NGRI, Hyderabad – Delivered lecture on 3-Sept 2014
- Greg J Shellnutt National Taiwan Normal University, Taiwan – Delivered lecture on 2nd March 2015

45. List the teaching methods adopted by the faculty for different programs.

Traditional chalk-n-board method of teaching is coupled with modern technology. Videos and e-content on various subjects are used for teaching. Emphasis is given on field visits.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Monthly evaluation through class test, tutorials and seminars is done.

47. Highlight the participation of students and faculty in extension activities.

Faculty members are actively engaged in the Public Outreach Program of the University. Students' participation is limited to geological field-work.

48. Give details of “beyond syllabus scholarly activities” of the department.

The Faculty Members are experts in the various state government programs offering their knowledge for the benefit of the state.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The School has contributed in the field of petrology, geochemistry, mineral deposits and hydrogeology of the Chhattisgarh.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Multidisciplinary research in Material Sciences and Environmental Sciences
- Offers diverse specialization
- Infrastructure and expertise on ground water survey and management

Weaknesses

- Limited consultancy outcome
- Research funding and output

Opportunities

- Enormous scope of research on minerals available in abundance
- Application of GIS in mapping the natural resources and ground water
- Provision of consultancy in disaster management

Challenges

- Development of Consultancy services
- To establish linkages with academia and industry for collaborative research

52. Future plans of the department.

- Incorporation of Skill Development Courses
- Strengthening of modern research infrastructure
- Development of Consultancy facility in Geology

Evaluative Report of the Department

1. Name of the Department: School of Studies in History
2. Year of establishment: 1971
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty Social science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S No	Name of Program	Level	Subject	Year of Initiation
1.	M.A.	PG	History	1971
2.	M.Phil.	Research	History	1985
3.	Ph.D.	Research	History	1974

5. Interdisciplinary programs and departments involved
 1. Popular lectures delivered in a number of colleges and universities of the state and outside state, Vivekanand Vidyapeeth, Swami Vivekanand Jayanti Celebration 2010-15
 2. Support in detection of crimes through law courts – Banso Nuruti, 2011-12
 3. Teaching children of woman prisoners central jail, Raipur – Archana Kori and Miss Inda Makhija, 2010-11
 4. Guinness World Record Holder- stage performances National and International level Radhe Shyam Patel , 2010-11
 5. Motivated lectures boarding school (Ashram) Chandkhuri, Raipur – Mr. D.N. Khute, 2014
 6. Stage and Cinema performances National and Regional – Aviraj Markandey, 2014-15
 7. Stage performance, National and International, Tabla Maestro – Reshma Pandit, 2015
6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Annual – M.Phil.

Semester- M.A. with CBCS

9. Participation of the department in the courses offered by other departments

Certificate Course on Women Law & Gender Justice in C.W.S. taken classes on

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	1
Associate Professor	2	0	-
Assistant Professor	2	2	2
Others	-	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M. Phil.
AR Pal	Ph.D.	Professor & Head	Indian Freedom Movement	31	7(5)*	12(3)
DN Khute	UGC-	Assistant	Political &	3	-	5(4)

	NET	Professor	Administrative History of Modern India			
B Nuruti	Ph-D.	Assistant Professor	Social Cultural & Economical History of Modern India & Tribal History	3	-	5(3)
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	P.G.	M.Phil.
2011-12	81.25	75
2012-13	50	75
2013-14	56.66	29.16
2014-15	39.39	29.16

14. Program-wise Student Teacher Ratio

S. No.	Year	P.G.	M.Phil.
1.	2010-11	3:1	2:1
2.	2011-12	4:1	2:1
3.	2012-13	3:1	1:1
4.	2013-14	3:1	2:1
5.	2014-15	4:1	3:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (technical)	-	-	-
Administrative staff	2	2	2

16. Research thrust areas as recognized by major funding agencies

Regional History and 20th Century India

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with:

a) state recognition	P.G.
b) national recognition	I.C.H.R., R.G.N.F.
c) international recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number	Average
o Number of papers published in peer reviewed journals	33	11

o Monographs	-	
o Chapters in Books	-	
o Edited Books	-	
o Books with ISBN with details of publishers	3	1

Publication (Books)

1. Pal, AR and Khute, DN (2012), Samajik Vigayn ki Shodhpravidhiya **Sarvpriy Publication**, New Delhi, ISBN – 81-89244-84-1.
2. Pal, AR and Singh Pankaj (2013) Madhyakalin Bharat, **Vaibhav Prakashan**, Raipur, ISBN - 978-81924499-9-9.
3. Pal, AR and Singh Pankaj (2013) Adhunik Bharat, **Vaibhav Prakashan**, Raipur, ISBN - 978-81924499-8-2.

Publication (Research Paper) of Faculty

AR Pal

1. Pal, AR (2011) 1857 ki Kranti per Itihas Lekhan – Samrajyavadi Banam Rashtravadi, **Souvenir**, National Seminar on 1857 ki kranti mein Mahilaon ki Bhoomika, Sultanpur, [I]
2. Pal, AR (2011). Samajik Samanta, Sambhav aur samvedana ke Praneta – Pt. Sunderlal Sharma, **Journal of the Madhya Pradesh Itihas Parishad**, 24. ISSN -2231-2749 [I]
3. Pal, AR (2012). Communalism Liberalism Vis a – Vis Secularism An Analysis of Indian National, **Central India Journal of Historical and Archaeological Research Career Research Institute Neemuch (M.P.)** I(1) ISSN-2277-4157 [I]
4. Pal, AR and Manish Tiwari (2013). 1857 Ka Sambalpur-Surendra Sai ka Viddroh, Hindustan Ki Kranti Ek Jhalak, Shiv Shanker Shrivastva(ed.), **Allahabad**, 2013.[I]
5. Pal,AR,And Pankaj Singh (2012-13), Crime in Raipur District : A Historical Analysis (1956 - 1975), **Journal of History, Vidya Sagar University, West Bengal** Vol 01 ISSN-2321-0834 [I].
6. Liberal Approach to the Gender Study, **Souvenir And Abstracts**, National Seminar on Women in Indian History, SoS In History Pt. RSU, March 7-9 ,2014.
7. Pal, AR and Ankita Sharma (2014). Mahatma Gandhi ke aarthik swawalamban sambandhi vichar aur Chhattisgarh mein unka kriyanvayan, **Shodhak**, 44(132), ISSN - 0302- 9832, [I]
8. Pal, A and Anju Dwivedi (2015). Mahila sashaktikaran mayne Bharatiya sandarbh mein, Ateet se wartman tak, **Mind and society**, 4(1), ISSN 2277-6907, [I]
9. Pal, AR and Prem Kumari Patel (2015) Chattisgarh ke Gariyabandh Zile mein Kamar jannjati ka samajik jeevan, **Shodhak** , vol-45(134), ISSN-0302-9832, [I]
10. Pal, AR and Mithilesh Singh (2015), Bastar ka aithasik Dassehara: Pramukh vidhi-vidhan, **Shodhak**, vol- 45(134),ISSN-0302-9832 [I].
11. Pal, AR and Anju Dwivedi (2015) Varna jati ka udbhav : Ek vivechanatmak adhyanan, **Shodhak**, vol-45(134), ISSN-0302-9832 [I]

DN Khute

1. Khute, DN, (2012) Bastar mein swadhinta hetu prayas evam Bharitya Sangh mein vilay (1920-1947) **Mind & Society, Rajnandgaon**, ISSN-2277-6907, [I]
2. Khute, DN, (2012) Bastar mein mahan muktisangram (1856-1860 AD)**Central India, journal of historical and archaeological research, Neemuch (M.P.)**, I:04, ISSN-2277-4157, [I]
3. Khute, DN, (2013) Bhartiya Mahilayen Adhikar our kartavya “kal Aaj Aur Kal” **Reasearch Journal of Humanitics and Social Science**, Raipur, I-01 ,ISSN-0975-67595, [I]
4. Khute, DN, (2014), 1910 Ishvi. ka Bastar Vidroh- Ek Etihasic Punrawlokan-**SHODHAK**, a Journal of Historical Research Jaipur,ISSN-0302-98327, [I]
5. Khute, DN, (2011-13) Bastar Mein Kaktiya (Chalukya) vansh (1313 A.D -1800 A.D.),**Journal Of Ravishankar University Raipur,Part –A**,16(18),ISSN-0970-5910, [I]
6. Khute, DN, (2014) Bastar Riyasat ki Pratham Mahila Shashika –Prafulla Kumari Devi Ek Eitihasi Punrawlokan, **Souvenir and Abstracts** National Seminar on Women In Indian History, SoS in History Pt.RSU.

B Nuruti

1. Nuruti, B, (2012) Bastar ki Madiya janjati mein ksth kala, **Mind and Society**, Rajnandgaon, vol-1, ISSN -2277-6907, [I]
2. Nuruti, B, (2013) Mahatma Gandhi ke netritva mein sanchalit ashyog Andolan mein mahilao ki bhumika **Research Journal of Humanitics and Social Science, Raipur**, vol- 04, , ISSN- 0975-67595, [I]
3. Nuruti, B, (2014) Krishi Vikash mein Mahilaon ki Bhumika ,**Souvenir and Abstracts**, National Seminar On Women in Indian History , SoS in History Pt.RSU

Publication (Research Paper) of Contract Faculty**R Choubey**

1. Choubey, R, (2011) Rastriy Chetna ka Vikas evam Hindi Sahitya Lekhan – Pt. Madhaw Rao Sapre ke Vishesh Sandarbh me, **Bhartiy Itihas adhyayan Sansthan Allahabad**, Vol-XV ,ISBN- 978-81-8097-142-6, [I]
2. Choubey, R, (2012), Chhattisgarhi Lok git – Panthi evam Jan Chetna me uski Bhumika, **Mind & Society** Vol-1/, ISSN- 2277-6907, [I]
3. Choubey, R, (2013), Bhartiya Samaj evam Sanskriti ka vighatan wa Vaisvikaran – **RJHSS** Vol. 4/01, ISSN 0975-6795, [I]
4. Choubey, R, (2013) Chhattisgarh me Shiksha ka Vikas evam Ary Samaj ki Bhumika **IJRRSS**, Vol 1/02, ISSN No. 2347-5145, [I]
5. Choubey, R, (2014). Mughal Kalin Samaj Mein Nari Ki Shaikshnik Istthiti ,**Souvenir and Abstracts** ,National Seminar on Indian History,SoS in History Pt. RSU. [I]
6. Choubey,R, (2015), Chhattisgarh ke Achhutoddhar me Pt. Sunder Lal Sharma ka yogdan, SHODHAK, Vol- 45 Part a. ISSN 0302-9832, [I]

N Sinha

1. Sinha, N, (2011), Mahanadi Tatiy a parva, mele, Tyohar – Ek Eitihasi Adhayayan, **Bhartiy Itihas adhyayan Sansthan Allahabad**, Vol-XV,ISBN- 978-81-8097-142-6, [I]
2. Sinha, N, (2014), Manwadhikar wa Mahilayein Meera ke Vishesh Sandarbha Mein, **Souvenir and Abstracts**, National Seminar on Women in Indian History, SoS in History Pt.RSU

A Singh

1. Singh, A, (2011), Chhattisgarh me– Jan Andolan ke Srot, **Bhartiy Itihas adhyayan Sansthan Allahabad**, Vol-XV, ISBN- 978-81-8097-142-6., [I]

T Baghel

1. Baghel, T, (2011) Chhattisgarh mein– Satnam Panth our Samajik Vikas, **Bhartiy Itihas adhyayan Sansthan Allahabad**, Vol-XV, ISBN- 978-81-8097-142-6, [I]

S Pal

1. Pal, S, (2012) Bharat mein Narivadi Andolan evam sansthan (1850-1950), **Mind & Society**, Vol 1/3, ISSN- 2277-6907,[I]

AL Meshram

1. Meshram, AL, (2012), Chhattisgarh ka Pratham Sangathit B.N.C. mill mazdoor Andolan, ek eitihasik anushilan. **Mind & Society**, Vol 1/3, ISSN- 2277-6907, [I]

P Singh

1. Singh, P, (2012), Chhattisgarh me Lok Nritya. **Mind & Society**, Vol 1/3, ISSN- 2277-6907. [I]
2. Singh, P, (2012), Civil Disobedence movement in Raipur District the case of forest satyagraha in Chhattisgarh, **Mind & Society**, Vol 1/3, ISSN- 2277-6907, [I]

J Mankar

1. Mankar, J, (2012), Chhattisgarh ki Halba Janjati Samaj evam Sanskriti. **Mind & Society**, Vol 1/3, ISSN- 2277-6907, [I]

S Roy

1. Roy, S, (2014), Bharat me Panchayti Raj Vyastha evam mahatva.- Chhattisgarh ke vishesh sandarbha me, **Chhattisgarh Vivek**, Vol-46, , ISSN- 0972-9909. [I]
 2. Roy, S, (2014), Parampara evam Awashyaktayen ka mel –Madai-Mela, **Shodh Sampreshan** Vol-9 , ISSN.0976-459 , [I]
 3. Roy, S, (2014), Maratha kalin Chhattisgarh mein Bhoo – Rajaswa Vyastha, **RJHSS**, 5(3), ISSN – 0975-6795, [I]
23. Details of patents and income generated
Nil
24. Areas of consultancy and income generated
Nil
25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad
Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify)

AR Pal**Editorial Boards/ Peer Team**

- Journal of Ravisankar University Part A (Social Sciences)
- Journal - History Past & Present
- Journal - Jooni Khyat
- Central India Journal of Historical & Archaeological Research
- Mind & Society
- Shodh Prakalp
- Research Expression
- History Times

Faculty Currently Serving in Committee in PRSU

- **Dean** Faculty of Social Science, Jun 2011-May 2013
- **EC Member** 2011-2013
- **Chairperson DRC** in History 2007-08 to till date
- **Chairperson BoS** in History 2007-08 to till date
- **Convener**, National Seminar on Bhartiya Itihas Mein Nari, 07-09 March 2014, SoS in History, Pt. RSU Raipur

Other Committee in Institution

- Shodhak, Jaipur
- Vidya Career Research Foundation Panna. (CIJHAR)
- Manav Navnirman Sansthan, Rajnandgaon
- Marubhumi Sansthan, Bikaner
- Adhyayan sansthan, Gorakhpur/Allahabad

DN Khute

- **Organizing Secretary**, National Seminar on Bhartiya Itihas Mein Nari, 07-09 March 2014, S.o.S. in History, Pt. RSU Raipur.
- **Assistant Superintendent** University Annual Examination (II Shift) April, 2014 Order No.1426/10.3.2014.
- **Observer Third Party Monitoring** (Durg Dist. Level) Election Commission of India 24-27Sept.2014.
- **Assistant Co-ordinator**, University Supply. Examination 2014, Central Evaluation Unit Order No.1381/30.9.2014.

- **Member of Board of Studies in History**, Order No.1544/Acad./13.10.2014.
- **Member of Internal Quality Audit Cell-IQAC**, Visit Team Group -5,Year-2014-15,Order No.132/IQAC/PRSU/12.8.2015.

Other Committee in Institution

- Shodhak , Jaipur
- Vidya Career Research Foundation Panna. (CIJHAR)
- Marubhumi Sansthan, Bikaner.

B Nuruti

- **Organizing Secretary, National Seminar on Bhartiya Itihas Mein Nari**, 07-09 March 2014, S.o.S. in History, Pt. RSU Raipur.

Other Committee In Institution

Shodhak, Jaipur
Marubhumi Sansthan Bikaner

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

B Nuruti: Orientation Programs: 19-8-2014 to 15-9-2014 ASC. PRSU

Workshop: 17-8-2013 to 26-8-2013, SSR, Research Methodology

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/ industry / institute

M. Phil. Project Work/ Dissertation: 100% in-house

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Faculty

AR Pal

National level

1. Invited lectures National Seminar on – Bharat ke Adivasi Kshetron ke Samantiy Riyasaton evam Jamidariyo mein Janjagriti, 30-31 Jan. 2012. Govt. Digvijay P.G. College Rajnandgaon.
2. Invited lectures National Seminar on- Women Entrepreneurship Recent Trends & Opportunities in Home Science, 26-27 Sept. 2012, Deptt. of Home Science, Govt. D.B. Girls P.G., College Raipur.
3. Chaired the Session of National Seminar on Rabindranath Tagore and Rural Development Feb. 20-22, 2013, Pt. RSU.
4. Convener, National Seminar on Women in Indian History March 7-9, 2014. SoS in History Pt. RSU.
5. Invited Lectures, National Seminar on Bhartiya Itihas mein Nari, 12 March 2014, Govt. D.B. Girls College, Raipur
6. Chaired the Session National Seminar on Socio-Economics Analysis of Baiga Tribes, 20-21 Jan. 2015, APSGMNS Govt. P.G. College Kawardha.
7. Invited lectures National Seminar on- Bharat mein Dalit Andolan Sandarbh Chhattisgarh, 22-23 Jan. 2015. Govt. Khubchand Baghel P.G. College Bhilai-3.
8. Resource Person National Seminar on Peasants Tribals and Working Class Movements (1850-2010) 27-28 Feb. 2015. Govt. V.Y.T. P.G. College Durg.

DN Khute

National level

1. Chaired the Session National Seminar on Socio- Economics Analysis of Baiga Tribes, 20-21 Jan. 2015, APSGMNS Govt. P.G. College Kawardha.

Student**Fellowship****2011-12**

1. Yogeswar Chandrawanshi (O.B.C.) P.G., State Govt. Scholarship.
2. Santoshi Verma (O.B.C.) P.G., State Govt. Scholarship.
3. Hiteshanand Thakur (ST) P.G., State Govt. Scholarship.

2012-13

1. Keshar Kumar Dewangan (O.B.C.) P.G., State Govt. Scholarship.
2. Sakuntala Khalko (S.T.) P.G., State Govt. Scholarship.
3. Purshottam Yadav (O.B.C.) P.G., State Govt. Scholarship.
4. Hiralal Nishad (O.B.C.) P.G., State Govt. Scholarship.
5. Praveen Kumar Sahu (O.B.C.) M.Phil State Govt. Scholarship.

2013-14

1. Anil Kumar Patle (O.B.C.) P.G., State Govt. Scholarship.
2. Sujata Mandloi (S.T.) P.G., State Govt. Scholarship.
3. Vikash Chandrakar (O.B.C.) P.G., State Govt. Scholarship.
4. Padmani Shinha (O.B.C.) M.Phil., State Govt. Scholarship.
5. Sushma Netam (S.T.) M.Phil., State Govt. Scholarship.

2014-15

1. Somprabha Dahare (S.C.) P.G., State Govt. Scholarship.
2. Harisan Ghilhare (S.C.) P.G., State Govt. Scholarship.
3. Kanchan Lata Tirki (S.T.) P.G., State Govt. Scholarship.
4. Shashi kala kshesh (S.T.) P.G., State Govt. Scholarship.
5. Gajendra Kumar Sahu (OBC), State Govt. Scholarship
6. Rajesh Kumar Sai (OBC), State Govt. Scholarship
7. Renu Tiwari M.Phil Pt.RSU Scholarship
8. Sukriti Chakrawati M.Phil.Pt.RSU Scholarship
9. Om Prakash Sinha, M.Phil Pt.RSU, Scholarship
10. Supriya Agrawal M.Phil PT.RSU Scholarship
11. Shiv Lal Mandavi, M.Phil Rajiv Gandhi National Fellowship.

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Program	Title	Source of Funding	Outstanding participants
National Seminar	Rabindranath Tagore and Rural Development, 20-22 Feb. 2013 in Association with School of Regional studies and Research, PRSU	U.G.C. and Ministry of Culture Govt. Of India.	K.K. Basa, Bhubaneswar Ravindra K. Jain, New Delhi
National Seminar	Women in Indian History Pt.RSU.	PRSU and Directorate of Culture C.G. Govt.	Ravindra Kumar, New Delhi, B.L. Bhadani, Aligarh A.K. Patnaik, Bhubaneswar Ram Pandey, Jaipur, Mukesh Kumar, Bodhgaya

31. Code of Ethics for research followed by the departments

- Departmental Research Committee monitoring research activities of the department
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Phil.					
2010-11	08	04	04	100	100
2011-12	05	04	01	100	100
2012-13	03	02	01	100	100
2013-14	06	02	04	100	100
2014-15	09	05	04	80	100
Ph.D.					
2010-11	33	07	07	46.66	38.83
2011-12	47	06	05	26.08	20.83
2012-13	38	06	05	28.57	29.41
2013-14	35	03	09	20	45
2014-15	49	07	05	25.92	25
M.A.					
2010-11	13	11	02	90.9	50
2011-12	21	14	07	64.28	71.42
2012-13	18	11	07	72.72	85.71
2013-14	18	11	07	100	85.71
2014-15	20	10	10	80	80

33. Diversity of students

Year	Name of the Program [Refer to Question # 4]	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State	% of students From other countries
2010-11	M.A.	76.92	--	23.07	--
	M.Phil.	100	--	--	--
	Ph.D.	46.66	--	--	--
2011-12	M.A.	71.42	--	28.57	--
	M.Phil.	100	--	--	--
	Ph.D.	45.83	--	--	--
2012-13	M.A.	94.44	--	5.55	--
	M.Phil.	100	--	--	--
	Ph.D.	63.88	--	25.8	--
2013-14	M.A.	83.33	--	16.66	--
	M.Phil.	100	--	--	--
	Ph.D.	45.23	--	9.59	--
2014-15	M.A.	100	--	--	--
	M.Phil.	77.77	--	22.22	--
	Ph.D.	52.77	--	9.52	--

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Name of Examination	Name of Student	Category
2010 – 2011	NET	Manoj Kumar Panda	General
2011 – 2012	NET	Ramanuj	ST
2012 – 2013	NET	Manoj Kumar Panda	General
2013 - 2014	SET	Ankita Sharma	General
2013 - 2014	SET	Roopmati Sahu	OBC
2013 - 2014	SET	Hirendra Bahadur	ST
2014 - 2015	NET	Radheyshyam Patel	OBC
2014 - 2015	NET	Gajendra Sahu	OBC

35. Student progression

Student progression	Percentage against enrolled			
	2011-12	2012-13	2013-14	2014-15
UG to PG	-	-	-	-
PG to M.Phil.	50	30	60	90
PG to Ph.D.	49.30	60	11.90	11.67
Ph.D. to Post-Doctoral	-	-	06.66	-
Employed	2			
□ Campus selection	-	-	-	-
□ Other than campus recruitment	-	-	-	-
Entrepreneurs	-	-	-	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	100%
from other universities within the State	-
from universities from other States	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	04
b) Total number of class rooms	03
c) Class rooms with ICT facility	01
d) Students' laboratories	-
e) Research laboratories	-

39. List of doctoral, post-doctoral students and Research Associates

Doctoral Students with Research Guide of S.o.S. (Awarded)			
S. No.	Name of Research Scholar	Name of Guide	Status
1.	Radhe Shyam Patel	AR Pal	Awarded in 2012
2.	Tiharu Ram Baghel	AR Pal	Awarded in 2012
3.	Saranjeet Kaur	AR Pal	Awarded in 2012
4.	Sarita Meshram	AR Pal	Awarded in 2013
5.	Chhabi Ram Sahu	AR Pal	Awarded in 2013
6.	Preeti Rashmi Lakra	AR Pal	Awarded in 2013
7.	Jitendra Kumar Mankar	AR Pal	Awarded in 2013
8.	Priya Rai	AR Pal	Awarded in 2014
Doctoral Students with Research Guide of S.o.S. (Working)			
1.	Dinu Ram Rana	AR Pal	Continuing Since 2012
2.	Prem Kumari Patel	AR Pal	Continuing Since 2012
3.	Mithlesh Singh	AR Pal	Continuing Since 2012
4.	Roopmati Sahu	AR Pal	Continuing Since 2013
5.	Padmani Sinha	AR Pal	Continuing Since 2015
Doctoral Students with Research Centre at S.o.S. History (Awarded)			
S. No.	Name of Research Scholar	Name of Guide/ Co-Guide	Status
1.	Mamta Koshariya	AK Pandey/ AR Pal	Awarded in 2013
2.	Archana Kori	S Choubey/ AR Pal	Awarded in 2013
3.	Poonam Sahu	VD Sahasi/ AR Pal	Awarded in 2014
4.	Yashoda Sahu	CR Patel/ AR Pal	Awarded in 2014
5.	Rajesh Shukla	KK Agrawal/ AR Pal	Aarded in 2015
6.	Sudha Roy	DS Jagat/ AR Pal	Awarded in 2015

7.	Umesh Yadav	KK Agrawal/ AR Pal	Viva Awaited
8.	Hob Lal Sahu	CR Patel/ AR Pal	Thesis Submitted
9.	Hem Lata Sinha	CR Patel/ AR Pal	Summary Submitted
10.	Anju Dwivedi	VD Sahasi/ AR Pal	Summary Submitted
11.	Ankita Sharma	R Pandey/ AR Pal	Summary Submitted
Doctoral Students with Research Centre at S.o.S. History (Working)			
1.	Manoj Kumar Panda	AK Pandey/ AR Pal	Pursuing Since 2011
2.	Priti Soni	AK Pandey/ AR Pal	Pursuing Since 2011
3.	Sujeet Mandal	DS Jagat/ AR Pal	Pursuing Since 2011
4.	Sanjay kar	DS Jagat/ AR Pal	Pursuing Since 2011
5.	Panchu Das Sonkar	KK Agrawal/ AR Pal	Pursuing Since 2013
Post-doctoral			
1.	Anamika Sharma	AR Pal	Pursuing Since 2013

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No. New Program is introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
c) Alumni and employers on the programs offered and how does the department utilize the feedback?

- a) Nil
 b) The feedback collected and discussed in staff council remedial measures article were necessary, Mentoring is being done by the faculty for the students.
 c) (i) Through Parent – Teacher meet
 (ii) Through Visitor diary
 (iii) Through Alumni meet

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Year	Current Position
In Academics				
1.	Abha Rupendra Pal	Ph.D.	1982	Head S.o.S. History
2.	K.K. Agrawal	Ph.D.	1984	Professor and I/C Principal Govt. P.G. College, R. Jamgaon, Durg
3.	Pankaj Singh	Ph.D.	2008	Asstt. Prof. in History, H.S. Gour Central Univ., Sagar
In Administration				
1.	Piyush Tripathi	M.A.	1990	Asstt. Commissioner Income Tax
2.	Umesh Kumar	M.A.	1993	Financial Advisor Khadi C.G. C.G. Gramodyog
3.	Satyendra Tiwari	Ph.D.	2010	Director, Vidhan Sabha C.G.
4.	Ritu Rajiv	Ph.D.	1986	Asstt. Director, National Archives of India New Delhi
5.	Vinod Kumar Lal	M.A.	1992	General Manager NRDA C.G.
6.	Anand Dongre	Ph.D.	2008	Asstt. Sales Tax Officer C.G.
In Art and Culture				
1.	Yogesh Agrawal	M.A.	1992	Cinema Artist, Singer and Working President Chamber of Commerce, C.G.

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
Workshop on Itihas Shabdawali (Ministry of HRD, New Delhi)	10-11 November 2010	SN Dubey, AKPatnaik, Vibha Upadhyay, PLMishra, LSNigam

Invited Lectures (With Topic)	Date
• Lecture on Hindu Muslim Cultural Co-ordination- Rajiv Dubey, Jabalpur	27-12-2011
• Lecture on Arya Samaj and Nationalism- A.K. Patnaik, Bhubaneshwar	29-06-2012
• Lecture on National Education Masses and the Classes-B.L. Bhadani, Aligarh	29-07-2012
• Lecture on Problems of Peasants in Post Independence India- J.P. Mishra, Jabalpur	05-07-2013
• Lecture on Ambedkar and the Dalit Movement- A.K. Patnaik, Bhubaneshwar	13-05-2013
• Lecture on the Method of Social Survey in Research- Anupama Saxena, Bilaspur	16-11-2013
• Lecture on Composition and Working of Vidhan Sabha-Satyendra Tiwari, Director C.G. Vidhan Sabha	15-03-2014
Other Programs	Year
• Essay Competition on Hindi Diwas	14-09-2012
• Discussions and lecture on Hindi Diwas at Institution of teachers education	15-09-2012
• Interviews of Indian book	05-09-2012

For Students

- Quiz competition, essay competition, extempore speech competitions on Historical figure, & important national days.
 - Celebration of Teachers day, Education day, Basant Panchmi, Subhash Chandra Bose Jayanti, Gandhi Jayanti.
 - Visit to museums & other library of the state.
45. List the teaching methods adopted by the faculty for different programs.
- Class room teaching
 - Group Discussion
 - Audio-Visual

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
Staff Council	Monthly meeting and interaction
DRC	Progress of research activity
Feedback	Discussed in Staff Council meeting
Attendance	Monitored twice in the semester
Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

- Students visit to Museums and Vidhansabha of Chhattisgarh
- Rajyotsav-Display of S.o.S.

48. Give details of “beyond syllabus scholarly activities” of the department.

For Faculty

- Acting as adjudicator for evaluation of Ph.D. thesis of other university
- Acting as Resources Person
- Referring of manuscripts

For Students

- Quiz competition, essay competition, extempore speech competitions on Historical figure, & important national days.
- Celebration of Teachers day, Education day, Basant Panchmi, Subhash Chandra Bose Jayanti, Gandhi Jayanti
- Visit to museums & other library of the state

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

AR Pal**Book Chapters**

1. Buddhism, Encyclopaedia of Anthropology, Vol I, H. James Birx (Ed.) Sage Publications, California, 2006
2. Historicism, Encyclopaedia of Anthropology, Vol III, H. James Birx (Ed.) Sage Publications, California, 2006
3. Legend, Encyclopaedia of Anthropology, Vol IV, H. James Birx (Ed.) Sage Publications, California, 2006
4. Temples, Encyclopaedia of Anthropology, Vol V, H. James Birx (Ed.) Sage Publications, California, 2006
5. Chhattisgarh Mein Hanuman Singh Ki Baghavat, Madhukar Upadhyaya (ed.) Lokmat, Nagpur, 1857- Saath Mein Bharat Ke Saath Saal, October 2006.
6. Bhartiya Rashtravaad Evam Swadhinta Aandolan, Itihas Lekhan Kala, Kota (Raj.), 2008. ka Itihas Tarachand R.C. Majumdar, A.R. Desai.

Books Written

1. Pal, AR and Khute, DN, (2012), Samajik Vigyan ki Shodha Pravidhiyan, **Sarvapriya Publication**, New Delhi ISBN 81-89244-84-1, [I]
2. Pal, AR, (2009) Chhattisgarh ka aadhar stambh Pt. Sunder Lal Sharma (Edited), **Pt. Ravishankar Shukla University Raipur**, [I]
3. Pal, AR and Singh, Pankaj, (2013) Madhya Kalin Bharat (1206-1707), **Vaibhav Publication Raipur**, ISBN 978-81924499-9-9, [I]
4. Pal, AR And Singh Pankaj, (2013) Adhunik Bharat (1707-1947) **Vaibhav Publication Raipur**, ISBN 978- 81924499-8-2, [I]

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- In house celebration of historical dates and outdoor visits.
- Museum and Archives
- Research on Tribal History and Culture

Weaknesses

- Limited infrastructure and manpower
- Extramural funding projects

Opportunities

- Use of ICT in learning of History
- Development of interdisciplinary approach for study of History

Challenges

- Enhancement of research activities and output
- Mobilization of funds for research through extramural funding

52. Future plans of the department.

- Specialization of Medieval Indian History
- Documentaries on Art and Culture of Chhattisgarh and Freedom Fighters of Chhattisgarh

Evaluative Report of the Department

1. Name of the Department: School of Studies in Law
2. Year of establishment: 1982
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Law)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1	B.A.LL.B.	UG	Law	2003
2	LL.M.	PG	Law	1982
3	M.Phil.	Research	Law	2007
4	Ph.D.	Research	Law	1990

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester – B.A.LL.B. and LL.M. with Choice Based Credit System from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor	1	-	-
Assistant Professor	5	4	3
Contract Teachers	-	2	2
Guest Teachers	-	6	6

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
CL Patel	LL.M., Ph.D.	Professor and Head	Constitutional & Administrative Law	34	4(3)*	6(1)
AA Khan	LL.M., Ph.D.	Professor	Crime and Torts	34	5(1)	6(1)
AK Sahu	LL.M., Ph.D., NET	Assistant Professor	Constitutional & Administrative Law	11	0	6(1)
P Rao	LL.M, Ph.D., NET	Assistant Professor	Constitutional & Administrative Law	03	0	2(1)
V Routiya	LL.M. NET	Assistant Professor	Constitutional & Administrative Law	3	0	1(1)

*Currently working

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	B.A.LL.B.	LL.M.
2010-2011	40	-
2011-2012	40	-
2012-2013	40	-
2013-2014	40	-
2014-2015	40	-
2015-2016	40	-

14. Program-wise Student Teacher Ratio

Session	B.A.LL.B.	LL.M.	M.Phil.
2010-2011	20:1	8:1	-
2011-2012	20: 1	9:1	-
2012-2013	21:1	10:1	1.5:1
2013-2014	18:1	12:1	-
2014-2015	15:1	12:1	03:1
2015-2016	12:1	15:1	1.6:1
Median	17.6:1	11:1	-

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	0	0	0
Administrative Staff	2	1	1

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national / international)	41		8.2/ faculty
o Monographs	-		
o Chapters in Books	-		
o Edited Books	-		
o Books with ISBN with details of publishers	-		

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

CL Patel

1. Patel, C.L. (2011). Role of Supreme Court in Social Transformation in India (With special reference to Directive Principle of State Policy). **Chota Nagpur Law Journal, Ranchi**, 3(3), 37-41 [I]
2. Patel, C.L. (2012). Idealism Vis-à-vis Pragmatism: Effectiveness of Lokpal in India **Chota Nagpur Law Journal, Ranchi**, 4(4), 64-74. [I]
3. Patel, C.L. (2012). Idealism Vis-à-vis Pragmatism: Effectiveness of Lokpal in India. **Shodh-Prakalp, Raipur (CG)**, 17(58), 43-46. [I]

AA Khan

1. Khan, A.A. (2014). Policies and Practices of Religions and Other Communication. **International Journal of Review and Research in Social Science**, 2(2), 105-107. [I]
2. Khan, A.A. (2014). Political Scenario as to Welfare of Minorities in India (Before and After Independence of Our Country). **International Journal of Advances in Social Science**. 2(2). 81-86 [I]
3. Khan, A.A. (2014). Manav Adhikar me Naye Aayam: Mahil Adhikar ka Udabhav. **Shodh Sampreshan**. 8. 143-144 [I]
4. Khan, A.A. (2014). Nyayik Sakriyata aum Kamkaji Mahilayen. **Shodh Prakalp**. 57. 61-62 [I]
5. Khan, A.A. (2014). Sir John Holt-A 15th Century Legal Luminary and His Contribution. **Shodh Sampreshan**. 8. 03-06 [I]

AK Sahu

1. Sahu, A.K. (2012). Bharat me Apkriya ke liye Dayitv ka Adhar. **Lab to Land**. 4 (13) 168-172 [I]
2. Sahu, A.K. (2012). Dowry System in India: An Study of Section-498-A, Dowry Prohibition. **Lab to Land**. 4 (13) 951-955 [I]
3. Sahu, A.K. (2012). Laws Preventing and Restrain in Cyber Crime at Present Scenario in India. **Lab to Land**. 4 (13) 962-968 [I]
4. Sahu, A.K. (2013). Role of Education in Controlling of Environmental Pollution. **JJRRSS**. 1(1) 27-28 [I]
5. Sahu, A.K. (2013). Development in Minority Education of Chhattisgarh. **JJRRSS**. 3(3) 29-30 [I]
6. Sahu, A.K. (2014). Political Scenario as to Welfare of Minorities in India. **JJRRSS**. 2 (2) 81-86 [I]
7. Sahu, A.K. (2014). Policies and Practices of Religious and Other Communities. **JJRRSS**. 2 (2) 105-107 [I]

P Rao

1. Rao, Priya (2013). Rule of Law and Corruption. **15 Days**. 40, 66-69. [I]
2. Rao, Priya (2013). Effect of Tripps Agreement on Indian Patent System. **International Research Review**. 2, 21-25. [I]
3. Rao, Priya (2013). Examination Reforms: The Need of the Day (The Public: Problems and

- Solutions. An International Research Referred Journal. 2, 2320-4540. [1]
4. Rao, Priya (2013). Is Foreign Direct Investment Relevant in Retail Market. Shodh Prakalap. 10-14. [1]
 5. Rao, Priya (2013). Rural Enterprenewship Development and Women. Research Today. 3, 10-12. [1]
 6. Rao, Priya (2013). Provisions of Law and Consumer Protection in India. Research Journal of Humanities and Social Sciences (RJHSS). 4. [1]
 7. Rao, Priya (2013). New Dimensions of Disaster Management in India: Perspectives Approaches and Strategies. Serials Publications. 2, 71-88. [1]
 8. Rao, Priya (2013). Regional Development in the era of the Globalization, Liberalization and Privatisation. Adhyayan Publishers. 12, 127-131. [1]
 9. Rao, Priya (2013). Care and Protection of Girl Children in India. Bal Vikas Prakashan Pvt. Ltd. 21, 202-209. [1]
 10. Rao, Priya (2013). National Conference Faster, Sustainable and Inclusive Growth Vasundhaiva Kutumbikam Raipur, Chapter- on Micro Finance and Rural Development. 110-113 [1]
 11. Rao, Priya (2013). Provisions of Law and Maoism. Chhattisgarh Vivek. 5-9. [1]
 12. Rao, Priya (2013). Gender Budgeting and Economic Empowerment in Modern India. National Law News. [1]
 13. Rao, Priya (2013). Social Justice and Economic Growth (A Sociological Perspective of Economic Development. International Journal of Advances in Social Science. 1 (1). [1]
 14. Rao, Priya (2014). Consumer Justice System in India. Law Mantra. [1]
 15. Rao, Priya (2014). Legal Professional Privileges in India. Law Mantra. [1]
 16. Rao, Priya (2014). Doping Law India. Journal of Asia for Democracy and Development. 73-78. [1]
 17. Rao, Priya (2014). Legal Professional Privileges in India. The Journal of Young Researchers AIYRA. [1]
 18. Rao, Priya (2014). Rule Protection and Conservation of Lakes Law and Challeges. New Age Researchers. 1(1). [1]
 19. Rao, Priya (2014). Human Rights of Women: A New Awakening. Shodh Mimansa. 1 (3). [1]
 20. Rao, Priya (2015). Live in Relationship Social and Legal Aspects. The Journal of Young Researchers AIYRA. 2 (6). [1]

V Routiya

1. Routiya, Venudhar. (2013). The Democracy (Editorial). Nav Pravah Journal, 2(4&5), 01. [1]
 2. Prusty, D.D., & Routiya, Venudhar. (2013). Right to Education: Conceptual and Constitutional Dimensions, Nav Pravah Journal, 2(4&5), 91-92. [1]
 3. Routiya, Venudhar. (2013). The American Criminal Justice System. Shodh Shree, Jaipur (Raj.), 6, 91-95. [1]
 4. Routiya, Venudhar. (2013). The Budgetary System of National and Sub-national Governments in India. Journal of Economics and Development Studies (American Research Institute for Policy Development, Madison, U.S.) 1(2), 35-44. [1]
 5. Routiya, Venudhar. (2015). The Current Legal Framework For Solid Waste Management in India and US. The IJSSHI. 2(5), Online. [1]
 6. Routiya, Venudhar. (2015). The Concept of Justice and Children's Rights: A Legal-Social Study. Transactions on Engineering and Science (TES). July-September 2015. [1]
23. Details of patents and income generated
None
 24. Areas of consultancy and income generated
None
 25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad
None
 26. Faculty serving in
 - National committees
 - International committees

- Editorial Boards
- any other (please specify)

CL Patel**National committees**

- Life Member, Indian Law Institute, New Delhi from 1988 to continue
- Life Member, Central India Law Institute Jabalpur from 1989 to continue

Editorial Boards

- Journal of Ravishankar University, Part A (Social Science) from September 2010
- Nav Pravah (ISSN:2249-5649), Raipur (C.G.)
- Journal of Social Science, Bilaspur (C.G.)

Any other: Members in Professional Body

- Central Board of Studies, Chhattisgarh Higher Education Department from 2014
- Member, Board of Study, ITM University, Raipur from 2013
- Member, Academic Council, MATS Law School, MATS University, Raipur from 2012

AA Khan**Editorial Boards**

Nav Pravah (ISSN:2249-5649) Raipur (C.G.)

Any Other: Members in Professional Body

- Member, Board of Studies, Baster University, Jagadalpur
- Member, Board of Study, Sarguja University, Ambikapur

P Rao**Editorial Boards**

- Researchers Today (ISSN :2231-4369)
- AIYRA (ISSN: 2347-2170)
- New Age Researchers (ISSN:2350-1405)
- Shodh Mimamsa (ISSN:1393-820X)

V Routiya**Any other: Members in Professional Body**

- IQAC, Government of Chhattisgarh, Department of Higher Education, Raipur (C.G.) from 28th September, 2013

Editorial Board

- Frontiers of Legal Research (Canadian Academy of Oriental and Occidental Culture, Quebec) from 21 November, 2012.
<http://cscanada.net/index.php/flr/about/editorialTeam>
- Member, Law Forum of AAIR (American Association of International Researchers, New York) from 1st January, 2014 to 31st December, 2015.
<http://aripd.org/aariform/index/law/7>
- Editor-in-Chief, Nav Pravah (ISSN:2249-5649) Raipur (C.G.)

Any other: Faculty currently Serving in Committees in PRSU

Faculty	Position
CL Patel	<ul style="list-style-type: none"> • EC Member • Dean, Law • OIC, Legal Cell • Chairman, Board of Faculty, Law • Chairman, Board of Study, Law • Academic Council from 2012 to cont. • Institutional Ethics Committee of Academic • Member, Standing Committee of Academic • College Investigating Committee • College Selection Interview Committee
AA Khan	<ul style="list-style-type: none"> • Dean, Law • Standing Committee of Academic • Chairman, Board of Faculty, Law • Chairman, Board of Study, Law • Academic Council

	<ul style="list-style-type: none"> • College Investigating Committee • College Selection Interview Committee
AK Sahu	<ul style="list-style-type: none"> • Member, Board of Faculty, Law • Member, Board of Study, Law • Member, Central Board Study Committee in Law, Chhattisgarh Higher Education • OIC, Legal Cell
P Rao	<ul style="list-style-type: none"> • Member, Academic Council, University • Member, Board of Study, Law • Member, IQAC • Member, Sexual Harassment Committee • VC Nominee in Examination Committee, Law
V Routiya	<ul style="list-style-type: none"> • Member, Board of Study, Law

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
CL Patel	International Workshop on "Empirical Legal Research" National Law University, Delhi	Feb. 2-7, 2013
	Human Rights, ASC Program, ASC, Devi Ahilya University, Indore (M.P.) as a Resource Person	Feb. 26-28, 2013
AK Sahu	Refresher Course in Law, ASC, PRSU, Raipur	July 2-22, 2012
P Rao	Orientation Course, ASC, Raipur	2013
	Summer Course, ASC, Raipur	July 20-Aug. 09, 2015
	Workshop on Yoga for Women, ASC, Raipur	August 3-9, 2014
V Routiya	ISID-PHFI Collaborative Research Program – Workshop on Intellectual Property and Public Health, New Delhi	March 23-27, 2015
	Orientation Course, ASC, PRSU, Raipur	Jan.01 – Feb. 03, 2014

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects
 - percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil.: 100% in-house project

LL.M.: 100% in-house project (in 2014-15)

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Award

Other recognition

CL Patel

National level

- Chairperson, Session, UGC Sponsored National Seminar on Law Justice and Social Transformation in India, Madhusudan Law College, Utkal University (Odisha), 2011
- Chairperson, Session, UGC Sponsored National Seminar on Terrorism-Issues and Challenges, Lajpat Rai Law College, Sambalpur University, Sambalpur (Odisha), 2012
- Chairperson, Session, UGC Sponsored National Seminar on Protection of Human Rights Culture in India, Rajeev Gandhi Law College, Bhopal (M.P.) 2012
- Chairperson, Session, National Seminar on Electoral Reform in India, MATS Law School, MATS University, Raipur, 2012
- Chairperson, Session- Invited Lectures in Valedictory function, National Seminar on

- Crime Against Women and Criminal Law (Amendment) Act, 2013, MATS Law School, MATS University, Raipur, 2013
- Chairperson, Session-III, National Seminar on Employment Laws in the Globalised Era: Changes and Trends in India, 2013
- Chairperson, Session, National Seminar on Good Governance, Global Justice and Human Rights, Sarguja University, Ambikapur, 2014
- Chairperson, Session, UGC Sponsored National Seminar on New Dimensions of Law in 21st Century, Gujarat University, 2015
- Chairperson, Session, National Seminar on National and International concerns for Gender Justice: India and Canada, Centre for Canadian Studies, Himachal Pradesh University, 2015
- Keynote Speaker, Golden Jubilee Celebration on Lajpat Rai Law College, Sambalpur University, Samablpur (Odisha), 2015

P Rao

National level

- Invited Lecture on Justice Verma Committee Report on Gender Violence and Strategy of Women's Organization in Chhattisgarh, NAWO INSAF in Raipur, 2013
- Invited Lecture on Right to Information Act, 2015, Right to Information Commissioner, Raipur, 2013
- Invited Lecture on Sexual Offences: Trial, Law, Rehabilitation, Mass and Media, Center for Women Studies Panel Disk, Pt. RSU, 2013
- Invited Lecture on Hindi Swaraj Aaj, Kushabhau Thakre Patrakarita and Jansanchar University, Raipur, 2013
- Invited Lecture on Samaj Ki Mahila, C.G. Sanskritik Vikas Parishad, Raipur, 2013
- Special Lecture on Anti-Ragging Act, B.Ed. Faculty, Vipra Arts, Commerce and Physical Education College, Raipur, 2013
- Special Lecture on Violence Against Women One Billion Rising, NAWO INSAF, Raipur, 2014
- Special Lecture on Legal Literacy for Women, Hum, Aap Aur Kanoon Live talk Show, Doordarshan Raipur, 2014
- Resource Person on Patent Laws and Copy Rights, Kushabhau Thakre Patrakarita Avam Jan Sanchar University, Raipur, 2014
- Resource Person, Workshop on Traditional Water Conservation System and Its Importance in Urban Perspective, INTACH, Raipur, 2014
- Resource Person, National Seminar on Women and Child Right and Media, Kushabhau Thakre Patrakarita and Jansanchar University, Raipur, 2015
- Invited Lecture on Juvenile Justice Act, Police Academy, Chandrakhuri, Raipur, 2015
- Special Lecture on Court Procedure for Student of P.G. Diploma in Forensic Science and Criminology, SoS in Anthropology, Pt RSU, Raipur, 2015

V Routiya

National level

- Special Lecture to Orientation Course/Sensitization Program for Panel Advocate of Legal Service Authority, Raipur on Constitutional provisions of Constitution of India, District Legal Service Authority, Raipur, 29th September, 2013
- Special Lecture to students of Law, Govt. J. Y. Chhattisgarh College, Raipur, 11th September, 2013
- Special Lecture on Intellectual Property Rights to Pre-Ph.D. Course of Indira Gandhi Sangeet Vishwa Vidyalaya, Kairagarh (C.G.), September, 2013
- Co-Chairperson, Session III, UGC Sponsored National Seminar on Live in Relationship and Right to Maintenance, University Law College, Utkal University, Bhubaneswar (Odisha), 17th May, 2013
- Resource Person, Session V, National Seminar on Legal Protection of Consumers in a Global Economy-Recent Approaches and the Way Forward, Banaras Hindu University, Faculty of Law, March, 2014
- Chairperson, Session I, UGC Sponsored National Seminar on "Bharat me Gathbandhan ki Rajniti aum Loktantra ka Bhavishya", Government Digvijay PG Autonomous College, Rajnandgaon, 4-5 February, 2015

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. [Keynote & 4-5 speakers]

	Program	Source of funding	Outstanding participants
Seminars	National Seminar on “Recent Trends in Democratic Politics and Judiciary in India”, 16-18 March, 2013	UGC and Govt. of Chhattisgarh, Dept. of Law	S. S. Singh, Nisha Dubey, Jaydev Pati, G. S. Sharma, Sukanta Kumar Nanda, Siba Ram Tripathy, Manoj Padi, G.P. Tripathy, Mayurshika Agrawal
	National Seminar on “Emerging Trends and Issues in Human Rights”, 04-06 March, 2014	UGC	Justice S. C. Vyas, Kaushik Raval, Sudhanshu Mahapatra, Sukanta Kumar Nanda, Iqbal Hussain, Sanjay Kulshreshta
Special Lecture Series	150 th Anniversary of Pt. Motilal Nehru, January 08, 2013	PRSU	Ramesh Nair

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Institutional Ethics Committee for Human Research
- Institutional Ethical Committee for Animal Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.A.LL.B.					
2010-2011	80	47	30	67	69
2011-2012	30	09	13	65	70
2012-2013	70	36	30	80	90
2013-2014	120	60	42	30	35
2014-2015	120	87	21	40	54
2015-2016	150	49	31	-	-
LL.M.					
2010-2011	50	23	22	-	-
2011-2012	49	28	17	-	-
2012-2013	50	24	18	32	48
2013-2014	60	27	21	48	51
2014-2015	85	36	41	40	41
2015-2016	70	25	29	-	-
M.Phil.					
2012-2013	05	02	01	100	100
2013-2014	00	00	00	00	00
2014-2015	12	05	04	100	85
2015-2016	09	02	03	-	-
Ph.D.					
2012-2013	04	02	01	-	-
2013-2014	00	00	00	-	-
2014-2015	10	03	00	-	-
2015-2016	23	-	-	-	-
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
B.A.LL.B.	2014-15	65	30	5	00
LL.M.	2014-15	28	68	4	00
M.Phil.	2014-15	100	00	00	00
B.A.LL.B.	2013-14	70	25	5	00
LL.M.	2013-14	30	65	5	00
M.Phil.	2013-14	00	00	00	00
B.A.LL.B.	2012-13	20	75	5	00
LL.M.	2012-13	90	10	00	00
M.Phil.	2012-13	33	67	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1	Pradeep Sharma	PSC, A.P.	2012	General
2	Randeer Singh	NET	2013	General
3	Jayant Minj	SET	2013	ST
4	Golapan Yadav	PSC, Civil Judge	2015	OBC
5	Sunanda Gokhle	NET & SET	2015 & 2013	Gen

35. Student progression

Student progression	Percentage against enrolled
UG to PG	10
PG to M.Phil.	50
PG to Ph.D.	10
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	Nil
• Other than campus recruitment	Nil
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	40 %
from other universities within the State	Nil
from universities from other States	60 %

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

• Internet facilities for staff and students	100 %
• Total number of class rooms	7
• Class rooms with ICT facility	1
• Students' laboratories/Moot Court	1
• Research laboratories/Computer Lab	01 (10 computers with internet)

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Amitabh Mishra	AA Khan	2012	Law
2.	Randhir Singh	CL Patel	2012	Law
3.	Alka Ganesh Chavan	CL Patel	2012	Law
4.	Venudhar Routiya	CL Patel	2014	Law
5.	Madhvendra Tiwari	CL Patel	2014	Law
6.	S. Vaishnav	A A Khan	2014	Law

ii. Post-doctoral: Nil

iii. Research Associates: Nil

b) from other institutions/universities

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Priya Rao	CL Patel	2011	Law
2.	Ram Krishna Pandey	CL Patel	2012	Law
3.	Deva Dewangan	CL Patel	2014	Law
4.	Sunanda Gokhale	CL Patel	2014	Law
5.	Saurabh Kumar Pandey	AA Khan	2011	Law
6.	Preeti Sathpathy	AA Khan	2014	Law
7.	Ashok Bansod	AA Khan	2014	Law
8.	Alekh Kumar Sahu	AA Khan	2014	Law
9.	Sushila Yadav	AA Khan	2014	Law

40. Number of post graduate students getting financial assistance from the university.

41. Nil, however, SC, ST and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? <ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Name	Subject	Year	Current Position Held
<i>National</i>				
1.	Akhilesh Tiwari	Law	1991	Assistant Professor, Govt. Law College, Bhatapara, District-Balodabazar (C.G.)

2.	Vineeta Agrawal	Law	1987	Assistant Professor, Govt. J. Y. Chhattisgarh College, Raipur (C.G.)
3.	Pradeep Sharma	Law	2008	Assistant Professor, Govt. Law College, Bhatapara, District-Balodabazar (C.G.)

In Administration/ Judiciary:

1.	Justice Sanjay Kumar Agrawal	Law	1991	Justice of Chhattisgarh High Court, Bilaspur (C.G.)
2.	Suresh Kumar Soni	Law	1997	Civil Judge in District Court of Chhattisgarh
3.	Atul Kumar Shrivastav	Law	2002	Civil Judge in District Court of Chhattisgarh
4.	Sunil Nande	Law	2002	Civil Judge in District Court of Chhattisgarh
5.	Anjali Kshtriya	Law	2003	ADPO in Department of Home, Govt. Of Chhattisgarh
6.	Sumeet Soni	Law	2007	ADPO in Department of Home, Govt. Of Chhattisgarh
7.	Gulapan Yadav	Law	2015	Civil Judge in District Court of Chhattisgarh

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
Law Day	Every year	Serjious Minj, State Chief Information Commissioner, Umesh Kumar Chauhan, Secretary, District Legal Service Authority, Raipur
Human Rights Day	Every Year	Deba Dewanagan, Sr. Lawyer, K.K. Shukla, Sr.Lawyer, Manoj Prajapati, Secretary, District Legal Service Authority

Conferences & Workshops: 2010-2015**Invited lectures 2010-2015:**

Invited Speaker	Year
S. S. Singh, Vice-Chancellor, National Law University, Bhopal	2013
Nisha Dubey, Vice Chancellor, Barktulla University, Bhopal	2013
Jaydev Pati, Retd. Professor, Uttakal University, Bhubaneswar	2013
G.P.Tripathy, Director, Mats Law School, MATS University, Raipur (C.G.)	2013
Nirmal Kumar Pagaria, Director, Law, Ahilya Devi University, Indore	2013
Siba Ram Tripathy, Professor, BHU	2013
Manoj Padi, Associate Professor, BHU	2013
Prof. G. S. Sharma, Professor, Sambalpur University, Sambalpur	2013
Justice S.C. Vyas, Chairman, C.G. Police Accountability Authority, Raipur (C.G.)	2014
Prof. Kaushik Raval, Director, Gujarat University	2014
Sudhansu Mahapatra, Dibrugarh University, Assam	2014
Sukanta Kumar Nanda, Reader, M.S. Law College, Utkal University, Bhubaneswar (Odisha)	2014
Iqbal Hussain, Associate Professor, Jamia Islamia University, Delhi	2014
Prof. Sanjay Kulshreshtha, Director, Law, Jiwaji University, Gwalior	2014
Mayurshikha Agrawal, Professor, Govt. State Law College, Bhopal (M.P.)	2014
Bijayanand Behra, Principal, L.R. College, Sambalpur University, Sambalpur (Odisha)	2014

45. List the teaching methods adopted by the faculty for different progra

- Instruction paradigm
- Learning paradigm
- Case Study work and practice in Moot Court
- ICT
- Professional training

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

- Moot Court
- Legal Aid Clinging/Public Out Reach Centre/Legal Advice Program
- Court visit and discussion with Judges and Advocates

Description	Date	Beneficiary
Visit to Supreme Court of India	February, 2013	Students are shown the process of judicial system
Visit to High Court of Bombay (Maharashtra)	February, 2014	Students are shown the process of judicial system
Visit to High Court of Ahmadabad (Gujarat)	February, 2015	Students are shown the process of judicial system
Visit to District and Session Court of Raipur (C.G.)	Every year	Students are shown the process of judicial system

48. Give details of “beyond syllabus scholarly activities” of the department.

- Debate
- Essay Competition
- Lecture Program

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for LL.M. in Law	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Alumni of the department occupies respect in the law profession
- High popularity index of the programs of the School
- Close association with State judicial institutions

Weaknesses

- Publication in legal annals and journals
- Research orientation of faculty members

Opportunities

- High demand of law graduates
- Collaboration with government organizations

Challenges

- Organizing legal clinics
- Use of effective ICT-enabled teaching
- Innovative law courses to cater contemporary social needs

52. Future plans of the department.

- To make the department at par with national institutions
- To start innovative courses
- Strengthening of outreach activities

Evaluative Report of the Department

1. Name of the Department: School of Studies Library and Information Science
2. Year of establishment: 1971
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Arts)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	B.Lib.I.Sc.	UG	Library and Information Science	1971
2.	M.Lib.I.Sc.	PG	Library and Information Science	1988
3.	M.Phil.	Research	Library and Information Science	2003
4.	Ph.D.	Research	Library and Information Science	1990

5. Interdisciplinary programs and departments involved:
Program: Ph.D.
Department involved: Linguistics, Statistics, Mathematics, and Anthropology
6. Courses in collaboration with other universities, industries, foreign institutions, etc.: NIL
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Annual - B.Lib.I.Sc. & M.Phil.
Semester - M.Lib.I.Sc. with Choice Based Credit System from the academic session: 2015-16
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	0	0	1
Associate Professor	1	0	0
Assistant Professor	3	3	2
Contract Teacher	-	-	1
Others	0	0	0

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M. Phil. Students guided for the last 5 years	
					Ph.D.	M.Phil.
S Sengupta	M.A., M. Lib. I. Sc., Ph.D.	Librarian	Information needs, Public Library System	10	3(5)*	7
M Verma	M.A., M. Lib. I. Sc., Ph.D.	Professor	Bibliometrics	20	5(4)	7
SR Kashyap	M.A., M. Lib. I. Sc., Ph.D.	Asst. Prof.	E-Resources	10	-	-
HK Sahu	M.A., M. Lib. I. Sc., Ph.D.	Asst. Prof.	Personnel Management	3	-	13
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors. :

AD Gupta	University of Kolkata	06.02.12 to 11.02.12
AA Vaishnav	BAMU, Aurangabad	16.11.2012 to 24.11.2012
MP Satija	GNDU, Amritsar	12.8.2013 to 14.8.2013
AA Vaishnav	BAMU, Aurangabad	3.11.2014 to 8.11.2014

13. Percentage of classes taken by temporary faculty – program-wise information

Session	UG (B. Lib.I.Sc.)	PG (M. Lib.I. Sc.)
2010-2011	37.5	20
2011-2012	37.5	20
2012-2013	37.5	20
2013-2014	37.5	20
2014-2015	37.5	20

14. Program-wise Student Teacher Ratio

Session	UG (B. Lib.I.Sc.)	PG (M. Lib.I. Sc.)
2010-2011	13:1	3:1
2011-2012	11:1	2:1
2012-2013	11:1	7:1
2013-2014	12:1	6:1
2014-2015	11:1	7:1

15. Number of academic support staff (technical) and administrative and supporting staff: sanctioned, filled and actual

Administrative/ Supporting staff	Sanctioned	Filled	Actual
Class III	1	1	1
Class IV	1	1	1

16. Research thrust areas as recognized by major funding agencies :

S. No.	Thrust Area	Funding Agency	Period
1.	Bibliographical study	UGC	2014-2016
2.	E-repository	ICSSR	2015-2016

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Ongoing Projects [National]

PI	Title of the Project	Funding Agency	Year	Amount
M Verma	Bibliographical study of doctoral dissertation: Special reference to Pt. Ravishankar Shukla University, Raipur	UGC, New Delhi	2014-2016	70,000
P Kumari	Creation of Institutional E-repository of Pt. Ravishankar Shukla University, Raipur	ICSSR	2015-2016	2,50,000

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a)	State recognition	School of Studies in Library and Information Science
b)	National recognition	-
c)	International recognition	-

21. Special research laboratories sponsored by /created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number	Average
o Number of papers published in peer reviewed journals (national / international)	National: 30	7.5/ faculty
o Edited Books	1. Dr.S.SenGupta: Re-Engineering academic Libraries	-
o Books with ISBN with details of publishers	1. Maya Verma- Bibliometric Study: Literature in Research on Economics. New Delhi, Yash Publications,2015. ISBN 978-93-8327-80-7 2. Harish Kumar Sahu- Granthalayan may manav shakti niyojan. Singhi Publishers, Raipur, 2010 ISBN 81-89546-13-9	-

Publications of Faculty**S Sengupta**

1. Patel, Omprakash & Dr. Suparna Sengupta. "Chhattisgarh me granthalaya networko dwara suchana sansadhano ki sajhedari." Granthalaya vgyan, 2010 .Vol 41, P. 88-95.
2. Patel, Omprakash & Dr. Suparna Sengupta. " Information Management in Libraries through knowledge sharing procces." Research Digest; Jan-March, 2010, Vol.-5, P.-134-135.
3. Patel, Girja Shankar & Dr. Suparna Sengupta, " Granthalayon me suchana prodyogikiya aadharit sevayein" Granthalaya vgyan, 2008 .Vol 39, P. 82-85.
4. Patel, Girja Shankar & Dr. Suparna Sengupta, " Improving the Information Technology Infrastructure Development in the Engineering Cillege Libraries of Chhattisgarh" Research Digest; Jan-March 2010, Vol.-5, P.-110-112.
5. Beauty Choudhari & Dr. Dr. Suparna Sengupta , "Bharat me sarvajanik Pustakalya: Itihas ke aaine mai ek Adhhayan" Research Digest , Nov. 2014, Vol.-2, P.1-8.

M Verma

1. Verma,Maya, Thakur, Megha. Bhilai ispat sayantra ke prabandhko ka suchana khoj vyavhar:ek adhyayan **Shodha Sampreshan**. Vol.10, no.4, October- December, 2014, p.94-99.(ISSN 097-6459).
2. Gautam, Madhuri &Verma. Maya. Bibliometric Analysis of SRELS Journal of Information Management (2000-2013). IOSR Journal of Humanities and Social Science. Vol.19, No.7, July 2014. P.96-102.
3. Verma,Maya, Gautam, Madhuri.Granthalaya vgyan patrika ka granthmitiya adhyayan. Granthalaya vgyan vol. 45, 2014. P.155-165. (ISSN 0973-564X)
4. Verma,Maya, Verma,Bhavna. National geographical journal of India abam national geographer patrika ka granthamiti adhyayan.Ministry of Human Resource Development (Department of Higher Education) Government of India. 39, July-September,2013.P. 66-74
5. Verma, Maya& Sunita Itoriya. Information Seeking Behaviour of Management Students in Pt. Ravishankar Shukla University, Raipur. **Shodha Prakalp**. Vol.59, no.2, April- June, 2012, p.42-45. (ISSN 097-6459).
6. Verma, Maya, Kshama Thakur & Santoshi Patel. Utilization of Public Libraries in Raipur City,Chhattisgarh: A survey. **In** Information Control and Management in Digital Environment. Ed. By C.R. Karisiddappa & P.Padhi. New Delhi, Atlantic Publishers, 2012. p.249-256. (ISBN 978-81-269-1696-2)
7. Verma, Maya& Singh, Sudha. Information Need and Seeking Behaviour of the Faculties in the Engineering Colleges of Durg District in Chhattisgarh State: A Study. **Journal of Pt. Ravishankar Shukla University**, Vol.8-15, 2010, p. 33- 41. (ISSN 0970-5910).
8. Verma, Maya. Shodh ki Delphi Vidhi. **Granthalaya Vgyan**. Vol.41, 2010, p.21- 25. (ISSN 0973- 564)
9. Verma, Maya& Thakur, Kshama. Citation Analysis of Doctoral Dissertations in Botany

- Submitted to Pt. Ravishankar Shukla University. **IASLIC Bulletin**, Vol.55, No.3 Sept.2010. p. 176- 181.(ISSN 0018-8441)
10. **Verma, Maya & Patel, Santoshi.** User Satisfaction in Public Libraries of Raipur City: A Survey. **Library Herald**, Vol.48, No. 2, June 2010, p.132-138. (ISSN 0024-2292)
 11. Thakur, Kshama evam **Verma, Maya.** Pt. Ravishankar Vishwavidyalay, Raipur mein Vanaspati Vigyan mein Shodh Pravriti : Ek Granthamiti Adhyayan.**Shodha Prkalp.** Vol.50, no.1, January- March, 2010, p.111-114.(ISSN 097-6459)
 12. Mishra, Preeti evam **Verma, Maya.** Pt. Ravishankar Vishwavidyalay, Raipur mein Itihas mein Shodh Pravriti : Ek Granthamiti Adhyayan.**Shodha Prkalp.** Vol.50, no.1, January-March, 2010, p.104-110.(ISSN 097-6459)
 13. **Verma, Maya.** A Webometric Study on Library and Information Science Literature. **SRELS Journal of Information Management.** Vol.47, No.1, 2010, p.3-7. (ISSN 0972-2467)

S R Kashyap

1. **Kashyap, S.R. & Satpathy, S.k.(2011)** Shaikshani Granthalayo me electronic sanshadhan: viwechy Vishay avm pravitiya, Granthaly vigyan.(42). 120-26.
2. **Sahu, Harish Kumar., Sengupta, Supern & Kashyap S.R.,(2011)** Data base pranali, Granthaly vigyan. (42), 13 -18.
3. **Sahu, Harish Kumar. & Kashyap S.R.,(2011)** Anushandhan samshya ka aabhighyan avm niyman, Granthaly vigyan. (43), 109-15.
4. **Satpathy, S.k. & Kashyap, S.R. (2013).** Digital library: kya kyo avm kaise, Shodh prakalp (61). 89 – 90

H K Sahu

1. Sahu, Harish Kumar. Sashkiya Siksha Mahavidyalyon Ke Granthalayon Ka Prabandhan avam Sangathan: Chhattisgarh Ke Vishesh Sanderbh Main. **Peer Reviewed Journal of Ravishankar University, Raipur, Chhattisgarh. 19-21; 2014-15; 120-36. ISSN 0970-5910.**
 2. Sahu, Harish Kumar and Kundan Jha. Chhattisgarh rajya main vidyalayin pustkalay sewa ke vividh aayam : bilaspur nagar ke sandarb main.(**AMulti-Disciplinary-International Journal, Kanpur) Shrinkhala, 2,3; November-2014; 128-31. Indexd with Google Scholar. P-ISSN 2321-290X. E-ISSN 2349-980X.**
 3. Sahu, Harish Kumar. Suchana avm Suchna Avsykata (Information and Information Need). **Granthalaya Vigayan , Jaipur. 45; 2014; 81-92. ISSN 0973-564X.**
 4. Sahu, Harish Kumar. Samank avm Samank Sanklan ki vidhiyan (Data and Techniques of Data Collection). **Granthalaya Vigayan , Jaipur. 44; 2013; 87-104. ISSN 0973-564X.**
 5. Sahu, Harish Kumar. Suchana Utpad (Information Product). **Shodh Sankalp. 04, 01; November 12 – January 2013; 80 -84. ISSN 2277 -2715.**
 6. Sahu, Harish Kumar., & Kashyap, S.R. Anusandhan Samasya ka Abhighyan avm Niyman (Identification and Formulation of Research Problem). **Granthalaya Vigayan ,Jaipur. 43; 2012; 109-115. ISSN 0973-564X.**
 7. Sahu, Harish Kumar., SenGupta, S & Kashyap, S.R. Data Base Management System. **Granthalaya Vigayan, Jaipur. 42; 2011; 13-18. ISSN 0973-564X.**
 8. Sahu, Harish Kumar. Nirnay Adharit Prabandh (Decision Support System). **Granthalaya Vigayan ,Jaipur. 41; 2010; 41-48. ISSN 0973-564X.**
23. **Details of patents and income generated**
None
 24. **Areas of consultancy and income generated**
Free consultancy is offered to libraries of affiliated colleges of this university.
 25. **Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad**
None

26. Faculty serving in
- National committees
 - International committees
 - Editorial Boards
 - any other (please specify)

SS Gupta**National committees**

- IASLIC, Kolkata & Malviya Mission, New Delhi, Executive Committee

Editorial Boards

- IASLIC Bulletin & Pt.RSU Journal part B

Any other (please specify):

- IASLIC, Kolkata, Member in Governing Body

M Verma

- Chairman, BOS, DRC, Staff Council, Examination Committee

Any other (please specify):

- IASLIC, Kolkata, Member

SR Kashyap

- Member- BOS, Staff Council, VC Nominee-Examination Committee

HK Sahu

- Member- BOS, Staff Council, VC Nominee-Examination Committee

Any other (please specify):

- IASLIC, Kolkata, Member

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
SR Kashyap	Special Summer School, ASC PRSU, Raipur	10.06.2014 to 30.06.2014
HK Sahu	Orientation programs: Quality of Higher education teaching method, ASC PRSU, Raipur	1.07.2013 to 28.07.2013
HK Sahu	Workshop on data analysis: Use of SPSS, Organized by SoS in Psychology, PRSU, Raipur	6.01.2014 to 12.01.2014

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects
 - percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil.: 100% in-house project

29. Awards/ recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows :
 - Students

Nil

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any

	Organized	Sources of Funding	Outstanding Participants
Seminar	National Seminar on Re-Engineering Academic Libraries, February 12-14, 2014	PRSU	N Laxman Rao, Hyderabad Khaiser Nikam, Mysore Abdul Rashid, Srinagar PK Jain, New Delhi ARD Prasad, Bangalore
Workshop	Creation of Digital Library Using D-Space, March 15-20, 2014	INFLIBNET	B Mukherjee, Bilaspur Mallikarjun, TISS, Mumbai, H Biswal, NIT, Rourkela

31. Code of ethics for research followed by the departments :

- Departmental Research Committee (DRC) monitors research activities of the department
- Plagiarism cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Lib. & I.sc.					
2010 – 2011	51	11	13	72.7	37.5
2011– 2012	90	18	17	81.3	81.25
2012 – 2013	75	18	16	75	78.57
2013 – 2014	124	23	12	65.2	91.66
2014 – 2015	60	11	21	81.8	80.95
M.Lib. & I.sc.					
2010 – 2011	14	2	4	100	100
2011– 2012	8	3	4	100	100
2012 – 2013	25	10	10	50	90
2013 – 2014	30	9	11	88.9	100
2014 – 2015	37	15	5	100	100
M.Phil.					
2010 – 2011	8	0	3	0	100
2011– 2012	9	3	3	100	100
2012 – 2013	8	4	4	75	100
2013 – 2014	10	No Adm.	Nil	Nil	Nil
2014 – 2015	6	No Adm.	Nil.	Nil	Nil
Ph.D.					
2010 – 2011	No entrance test	-	-	-	-
2011– 2012	No entrance test	-	-	-	-
2012 – 2013	35	4	1	-	-
2013 – 2014	37	4	-	-	-
2014 – 2015	12	1	1	-	-

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
B Lib. & I.sc.	2010 – 2011	85.19	Nil	17.39
	2011– 2012	85.29	11.76	2.94
	2012 – 2013	88.23	8.82	2.94
	2013 – 2014	88.86	11.43	5.71
	2014 – 2015	90.62	9.37	NIL
M Lib. & I.sc.	2010 – 2011	100	NIL	NIL
	2011– 2012	100	NIL	NIL
	2012 – 2013	100	NIL	NIL
	2013 – 2014	99	1	NIL
	2014 – 2015	100	NIL	NIL
M Phil.	2010 – 2011	66.67	33.33	NIL
	2011– 2012	100	NIL	NIL
	2012 – 2013	99	NIL	1
Ph.D.	2012 – 2013	80	NIL	20
	2013 – 2014	50	NIL	50
	2014 – 2015	100	NIL	NIL

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the Student	Exam	Year	Category
1.	Bhuwaneshwar Choudhary	NET	2012	SC
2.	Monika Awadhiya	NET	2013	OBC
3.	Praveen Sahu	NET	2013	OBC
4.	Anil Dewangan	NET	2013	OBC
5.	Ishani Mukharji	NET	2013	GEN
6.	Udhisthir Pradhan	NET	2014	OBC
7.	Praveen Dewangan	SET	2013	OBC
8.	Daneshwar Verma	SET	2013	OBC
9.	Monika Awadhiya	SET	2013	OBC
10.	Shalendra Singh Kushwaha	SET	2013	GEN
11.	Anil Dewangan	SET	2013	OBC
12.	Neeti Tamrakar	SET	2013	OBC
13.	Deepak Kumar Sahu	SET	2013	OBC
14.	Preeti Rani Mishra	SET	2013	GEN
15.	Monika Tamrarkar	SET	2013	OBC
16.	Chaman Lal Verma	SET	2013	OBC
17.	Udhisthir Pradhan	SET	2013	OBC
18.	Kshama Thakur	PSC	2015	ST
19.	Prateema Rajiw	PSC	2015	GEN
20.	Bhuwaneshwar Choudhary	PSC	2015	SC
21.	Rakesh Kothari	PSC	2015	ST
22.	Praveen Sahu	PSC	2015	OBC
23.	Shalendra Singh Kushwaha	PSC	2015	GEN
24.	Manjusha Dolly Asher	NET	2015	ST
25.	Shashi Brajpuriya	NET	2015	GEN
26.	Radheshyam Sahu	NET	2015	OBC

NET : 06, SET : 10, PSC : 06

Gold Medallist

Year	Class	Student Name
2010-11	B. Lib., I. Sc.	Chiranijit Maiti
	M. Lib., I. Sc.	Yudhisthir Pradhan
2011-12	B. Lib., I. Sc.	Monika Sharma
2012-13	B. Lib., I. Sc.	Hemprakash
	M. Lib., I. Sc.	Monika Sharma
2013-14	B. Lib., I. Sc.	Arun Patel
	M. Lib., I. Sc.	Hemprakash
2014-15	B. Lib., I. Sc.	Chanchal Singh
	M. Lib., I. Sc.	Arun Patel

35. Student progression

Student progression	Percentage against enrolled				
	2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG	100	100	100	99	100
PG to M.Phil.	67	100	NIL	NIL	NIL
PG to Ph.D.	-	-	80	50	100
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed					
Campus selection	-	-	-	-	-
Other than campus recruitment	>80	>80	>80	>80	>80
Entrepreneurs	-	-	-	-	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	100
from other universities within the State	-
from universities from other States	-
universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100%
b) Total number of class rooms	4
c) Class rooms with ICT facility	All class room with Wi Fi facility
d) Students' laboratories	1
e) Research laboratories	None

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Currently Working [Registered / Admitted] for Ph.D.

S. No.	Name of Student	Guide	Year of registration
1	Madhuri Goutum	M Verma	12.06.2012
2	Megha Thakur	M Verma	19.09.2014
3	Purinma	M Verma	19.07.2012
4	Beauty Choudhary	SS Gupta	19.07.2012
5	Suraj Ram Ratry	SS Gupta	10.07.2013
6	Jharna Soni	SS Gupta	12.01.2012
7	Bhavana Verma	SS Gupta	12.01.2012
8	Manjusha Dolly Asher	I Ahmed	12.01.2012
9	Pushplata Bhalla	I Ahmed	10.07.2013
10	Neeti Tamraker	I Ahmed	19.07.2012

b) from other institutions/universities

S. No.	Name of Student	Guide	Year of registration
1	Prateema Rajew	M Verma	20.02.2015
2	Pradeep K.Singh	SS Gupta	03.04.2012
3	Soumya Singh	I Ahmed	10.07.2013
4	Swatti Tekam	I Ahmed	10.07.2013

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year
1	Preeti Mishra	M Verma	2013
2	Kashama Thakur	M Verma	2013
3	S. R. Kashyap	M Verma	2014
4	Sudha Sharma	M Verma	2014
5	Sudha Singh	M Verma	2014

a) from the host institution/university	Doctoral Students: 05
b) from other institutions/universities	04

40. Number of post graduate students getting financial assistance from the university.

NIL; however, ST, SC and OBC students get financial assistance from the state government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? :	Suggestion and recommendations received are considered during the meeting of Board of Studies
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? :	Feedback received is analysed and discussed in Staff Council meeting and necessary action is taken
c) Alumni and employers on the programs offered and how does the department utilize the feedback?:	Similarly Feedback received during alumni association meet is discussed in Staff Council meeting and necessary action is taken

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name	Subject	Year	Current Position held
1	R.G. Yadav	B. Lib.	1973	Retd. Libn., D P Vipra College, Bilaspur
2	S.K. Jaiswal	B. Lib	1982	IAS
3	S. Sen Gupta	B. Lib.	1983	Librarian, PRSU
4	Akhilesh Sharma	B. Lib.	1984	Asstt. Prof., Commerce , Govt. Girls P.G.College, Bilaspur
5	Utpala Richhariya	B. Lib	1984	Assistant General Manager, CRISP
6	Maya Verma	B. Lib., Ph. D.	1986	Professor, PRSU
7	Jitendra Shriwastawa	B. Lib, M. Lib.	1990	Astt. Prof.,Gwalior
8	Sanjay Dongre	B. Lib., M. Lib., Ph. D.	1993	Asstt. Libn., Bastar Uni.
9	Chetana Rana	B. Lib., M. Lib.	1993	Librarian, Jabalpur
10	Shailendra Kuchwaha	B. Lib., M. Lib	2007	Lib. Asstt. , DRDO

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Invited Speaker	Year
MP Satija, Amritsar	2014
BK Choudhary, Bhubaneswar	2014
RG Parashar, Sagar	2015

45. List the teaching methods adopted by the faculty for different programs.

- Black Board
- Power Point
- Lab Work
- Field Work

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Staff Council
- DRC
- Feed Back

47. Highlight the participation of students and faculty in extension activities:

- NSS
- Blood donation

48. Give details of “beyond syllabus scholarly activities” of the department.

- Acting as adjudicator for evaluation of Ph.D. Thesis of other University
 - Acting as resource person
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Scholars from SoS in Library Science are serving as Librarian with latest information in almost 90% institutions of the state.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- High demand ratio with scope of employment
- Hand-on-training on computer software and library management
- Working as a hub for plagiarism check and INFLIBNET management
- Skill development programs for the graduates and alumni

Weaknesses

- Research activities
- Publications in indexed journals

Opportunities

- Skill development initiative for working library professionals
- Archiving and preservation of ancient manuscripts

Challenges

- Sensitization of stakeholders about automation and plagiarism
 - Collection of ancient manuscripts from remote ethnic areas
52. Future plans of the department
- Introduction of enrichment programs for the library automation and management
 - To develop a center for archive management and preservation of Manuscripts
 - To develop ambience for research and publications through extramural funding

Evaluative Report of the Department

1. Name of the Department: School of Life Sciences
2. Year of establishment: 1977
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Life Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Bioscience	1977
2.	M.Sc.	PG	Microbiology	1991
3.	M.Sc.	PG	Biochemistry	2004
4.	M.Phil.	Research	Bioscience	1987
5.	Ph.D.	Research	Bioscience	1977
6.	Ph.D.	Research	Microbiology	1991
7.	Ph.D.	Research	Biochemistry	2004
8.	D.Sc.	Research	Bioscience	1977

5. Interdisciplinary programs and departments involved

Program: Ph.D. – Bioscience, Microbiology, Biochemistry, Zoology, Biotechnology
 Department involved: Biotechnology, Chemistry, Shankaracharya College, Bhilai

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil.
- Semester - M.Sc. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Five-Year Integrated PG Program offered by the Center for Basic Sciences (CBS)

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	7
Associate Professor	4	3	1
Assistant Professor	8	6	2
Contract Teachers	-	-	3*
Guest Teachers	-	-	1
*Against vacant positions			

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
AK Pati, <i>FNASc</i>	Ph.D., Diploma in Chronobi- ology (Paris)	Professor	Chronobiology; Animal Physiology; Behavior, Biodiversity	32	6 (4)*	1
AK Gupta, <i>FZS</i>	Ph.D.	Professor and Head	Parasitology & Immunology, Vector Biology, Developmental Biology, Medical Microbiology	31	2 (6)	5
SC Naithani	Ph.D.	Professor	Germplasm Conservation, Oxidative Stress, Seed Biology	26	4 (4)	2
V Koche	M.Phil., Ph.D.	Professor	Plant Tissue Culture	26	4 (3)	4
SK Prasad, <i>MZSI</i>	Ph.D.	Professor	Endocrinology; Reproductive Physiology	19	(2)	4
RK Pradhan	Ph.D.	Professor	Biochemistry; Chronophysiology	13	2 (4)	3
A Poddar	Ph.D.	Professor	Parasitology & Immunology	31	3 (4)	4
A Parganiha, <i>ISCA YS</i>	Ph.D.	Associate Professor	Chronobiology & Animal Physiology	12	2 (4)	4
A Ekka, <i>FES</i>	Ph.D.	Assistant Professor	Plant Pathology, Ethnobotany	13	(4)	4
L Prabhas	M.Phil., NET	Assistant Professor	Biotechnology, Chronobiology	2	-	-
V Rai [Superannuated in 2011]	Ph.D.	Professor	Metabolism & Enzymology	34	3	0
KK Sahu [Moved to Biotechnology in 2012]	Ph.D.	Associate Professor	Plant Stress Biology & Physiology	9	1	2
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors

Prof. B.K. Senapati (Visiting Professor) – 2012-2013

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc. (Bioscience/ Microbiology/ Biochemistry)	M.Phil.	Ph.D. (Course work)
2010-2011	26	0	0
2011-2012	21	0	0
2012-2013	28	0	0
2013-2014	26	0	0
2014-2015	29	0	0
2015-2016	30	0	0

14. Program-wise Student Teacher Ratio

Session	M.Sc. (Bioscience/ Microbiology/ Biochemistry)	M.Phil. (Bioscience)
2010-2011	7.9:1	1:1
2011-2012	7.7:1	1:1
2012-2013	7.0:1	0.9:1
2013-2014	6.8:1	1:1
2014-2015	6.6:1	-*
2015-2016	6.9:1	-*
Median	6.95:1	1:1

*None qualified in entrance examination

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	9	5	6
Administrative Staff	4	3	5

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Chronobiology	UGC DRS-SAP Phase-I	2004-2009
2.	Chronobiology	UGC DRS-SAP Phase-II	2010-2015
3.	Chronobiology	UGC DRS-SAP Phase-III	2015-2020

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
A Parganiha	UGC, New Delhi	Study of rest-activity circadian rhythm in cancer patients: An attempt to develop strategies for chronotherapy and QoL	2009-2012	9.15
AK Pati/ A Parganiha	DST, New Delhi	Study of circadian rhythm in the cognitive ability to judge short-interval durations in humans and the effect of light at night (LAN)	2010-2013	31.2
SC Naithani	DST, New Delhi	AOS and Its Induced Changes in Antioxidant Enzyme, Protein, DNA and Telomere/Telomerase are Responsible for Ageing in Neem (<i>Azadirachta indica</i>) seed	2012-2015	23.8
SC Naithani	UGC, New Delhi	Oxidative Damage of Lipid, Protein, DNA and Telomere in Ageing Seeds of Chirongi (<i>Buchanania lanzan</i>)	2012-2015	9.8
<i>Ongoing projects</i>				
AK Pati	CCOST, Raipur	Inventory on earthworm biodiversity database of Raipur district of Chhattisgarh agro-ecosystems cultivating scented rice	2014-2016	4.9
A Parganiha	CCOST, Raipur	Salivary alpha-amylase and rest-activity rhythms in patients with breast cancer	2014-2017	5.0
A Poddar	CCOST, Raipur	Environmental pathway and human response studies on impact of water borne fluoride amongst	2014-2017	5.0

		inhabitants of Korba, C.G.		
RK Pradhan	CCOST, Raipur	A study on the impact of school timing on sleep behavior and cognitive ability of higher secondary school studies	2014-2017	4.65
AK Gupta	CCOST, Raipur	Exploration of endophytic actinomycetes for antibiotic potential from some medicinal plants of Raipur district	2015-2018	5.0

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	Regional Cancer Centre, B.R. Ambedkar Memorial Hospital, Raipur	UGC, New Delhi; CCOST, Raipur	14.12	2009-17
National	NCNR*	DST, New Delhi	905.0	2012-17
International	ARTBC, Paris, France	-	-	2007-15

*Institutional project with the participation of the five departments

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Funding Agency	Program	Period	Amount (INR in Lac)
<i>Current; in the period of assessment: 2010-2015</i>			
UGC, New Delhi	DRS-SAP Phase-II	2010-2015	70.10
UGC, New Delhi	DRS-SAP Phase-III	2015-2020	125.0
DST, New Delhi	FIST Level-I	2012-2017	57.0
<i>Previous; Prior to 2010</i>			
UGC, New Delhi	DRS-SAP Phase-I	2004-2009	44.0
DST, New Delhi	FIST	2001-2005	35.0

20. Research facility/ centre with:

a) State recognition	<ul style="list-style-type: none"> CCOST
b) National recognition	<ul style="list-style-type: none"> UGC DRS-SAP DST-FIST
c) International recognition	<ul style="list-style-type: none"> The International Society for Chronobiology recognized the School of Life Sciences as one of the important centers of Chronobiology Research in India. It sponsored 'Multinational Graduate Course on Basic Chronobiology with Reference to Chronomedicine' at the PRSU, Raipur and some of its top-notch members participated in the program as resource persons [November 2-7, 2008]. <i>Foreign Faculty:</i> Israel Ashkenazi, Erhard Haus, Yvan Touitou, Christian Cajochen, Avraham Haim <i>Indian Faculty:</i> BN Mallick, Bhaskar N Joshi, Dilip Joshi, Vinod Kumar, Vijay Kumar Sharma, P. Subramanian, Atanu Kumar Pati Rohit Kumar Pradhan, Arti Parganiha One of the faculty members of the School of Life Sciences represented India in the International Society of Subterranean Biology as Council Member [2004-present]

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number				Average
	SCOPUS		NON-SCOPUS		SCOPUS
	Indian	Foreign	Indian	Foreign	
○ Number of papers published in peer reviewed journals (national / international)	09	34	32	22	4.3 per faculty
○ Monographs	-				
○ Chapters in Books	02				
○ Edited Books	-				
○ Books with ISBN with details of publishers	-				
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) [documents, citations and h-index are included from SCOPUS and Google Scholar]	SCOPUS		Google Scholar		
	43		54		
○ Citation Index – range/ average [Google Scholar]	1 – 114				9.331
○ Total citation [SCOPUS/ Google Scholar]	SCOPUS: 1386 Google Scholar: 1446				
○ SNIP	See table below				
○ SJR	See table below				
○ IPP	See table below				

Journal	Year	SJR	IPP	SNIP
Acta Physiologiae Plantarum	2010	0.482	1.395	1.008
	2011	0.495	1.661	0.981
	2012	0.511	1.581	0.98
	2013	0.504	1.861	1.058
	2014	0.542	1.69	0.964
African Journal of Biotechnology	2010	0.297	0.613	0.732
	2011	0.309	0.754	0.772
	2012	0.28	0.599	0.568
	2013	0.26	0.717	0.966
	2014	0.257	0.644	0.903
Biological Rhythm Research	2010	0.239	0.724	0.462
	2011	0.164	0.654	0.413
	2012	0.24	0.662	0.426
	2013	0.194	0.682	0.382
	2014	0.245	0.802	0.468
Chronobiology International	2010	0.921	4.506	1.351
	2011	0.925	3.655	1.207
	2012	1.174	4.214	1.289
	2013	1.34	3.463	1.187
	2014	1.264	3.339	1.137
Indian Journal of Experimental Biology	2010	0.261	0.763	0.652
	2011	0.424	1.297	0.895
	2012	0.455	1.456	1.042
	2013	0.406	1.376	0.863

	2014	0.377	1.075	0.758
PLoS One	2010	2.158	4.176	1.152
	2011	1.924	4.213	1.214
	2012	1.594	3.835	1.13
	2013	1.432	3.705	1.125
	2014	1.3	3.27	1.034
Process Biochemistry	2010	1.144	2.912	1.461
	2011	1.023	2.849	1.418
	2012	1.061	2.877	1.447
	2013	0.892	2.905	1.495
	2014	0.905	2.853	1.357
Progress In Electromagnetics Research B	2010	0.653	1.418	1.339
	2011	0.659	1.593	1.092
	2012	0.612	1.314	1.158
	2013	0.652	1.586	1.137
	2014	0.405	0.7	0.815
Supportive Care in Cancer	2010	0.767	2.131	1.092
	2011	1.064	2.684	1.311
	2012	1.177	2.775	1.431
	2013	1.023	2.708	1.298
	2014	1.027	2.43	1.072
Medicinal Chemistry Research	2010	0.322	1.042	0.683
	2011	0.291	1.022	0.736
	2012	0.338	1.291	0.854
	2013	0.326	1.364	0.815
	2014	0.409	1.399	0.759
Sleep and Biological Rhythms	2010	0.229	0.595	0.384
	2011	0.259	0.543	0.272
	2012	0.289	0.838	0.411
	2013	0.305	0.855	0.451
	2014	0.308	0.774	0.426

○ Impact Factor – range/ average	0.279 - 3.343		1.21
○ h-index [SCOPUS/ Google Scholar]	Faculty	SCOPUS	Google Scholar
○	AK Pati	12	15
	AK Gupta	2	4
	SC Naithani	7	10
	V Koche	5	7
	RK Pradhan	4	6
	A Poddar	1	4
	A Parganiha	4	5
	V Rai	12	14
	KK Sahu	4	4

Publications of Faculty in indexed Journals Retrieved from www.scopus.com (JIF: 2014 from <http://www.bioxbio.com>)

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

AK Pati

1. Tripathi, M. K., Singh, R., & Pati, A. K. (2015). Daily and seasonal rhythms in immune responses of splenocytes in the freshwater snake, *Natrix piscator*. **PLoS ONE**, 10(2) [F] [JIF: 3.234]
2. Sharma, P., Pande, B., Chandrakar, P., & Kumar Pati, A. (2015). Comparative study of circadian variation in oral, tympanic, forehead, axillary and elbow pit temperatures measured in a cohort of young university students living their normal routines. **Biological Rhythm Research**, 46(1), 103-112. [F] [JIF: 0.919]
3. Singh, A., Kankariya, S., Pati, A. K., & Parganiha, A. (2015). Day length and evening

- temperature predict circannual variation in activity duration of the colony of the Indian cliff swallow, *Hirundo fluvicola*. **Biological Rhythm Research**, 46(1), 69-79. [F] [JIF: 0.919]
4. Singh, A., Kumar Tripathi, M., Singh, R., & Kumar Pati, A. (2015). Circadian rhythmicity in leukocytes immune responses in the freshwater snake, *Natrix piscator*. **Biological Rhythm Research**, 46(2), 181-194. [F] [JIF: 0.919]
 5. Pande, B., Parganiha, A., Patra, P. K., & Pati, A. K. (2014). Short-duration judgment in young Indian subjects under 30 h constant wakefulness. **Indian Journal of Experimental Biology**, 52(5), 559-568. [I] [JIF: 0.835]
 6. Sultana, R., & Pati, A. K. (2014). Blood pressure and heart rate variability and diagnosis. **Biological Rhythm Research**, 45(3), 477-494. [F] [JIF: 0.919]
 7. Sultana, R., & Pati, A. K. (2014). Blood pressure variability and pedigree analysis of nocturnal SBP dipping in *Kumbas* from rural Chhattisgarh, India. **Indian Journal of Experimental Biology**, 52(5), 542-548. [I] [JIF: 0.835]
 8. Pande, B., Shindey, R. D., Parganiha, A., & Pati, A. K. (2013). Interval timing as function of methods of estimation - A study on cohorts of young Indians. **Biological Rhythm Research**, 44(3), 469-483. [F] [JIF: 0.919]
 9. Pati, A. K., & Pande, B. (2013). Prospective judgment of short-intervals in a cohort of university students. **National Academy Science Letters**, 36(2), 191-199. [I] [JIF: 0.292]
 10. Achari, K. V., Pati, A. K., & Parganiha, A. (2012). Comparison of distributions of morningness-eveningness among populations of shift workers on varied work patterns in different organizations. **Biological Rhythm Research**, 43(3), 235-248. [F] [JIF: 0.919]
 11. Pande, B., Rathod, G., Vaidya, N., Nag, C., Parganiha, A., & Pati, A. K. (2012). Non-auditory effect of community noise on interval timing in humans: An exploration. **Biological Rhythm Research**, 43(6), 585-601. [F] [JIF: 0.919]
 12. Vaidya, N., Pati, A. K., & Parganiha, A. (2012). Circadian variability and nocturnal dipping pattern in blood pressure in young normotensive subjects. **Biological Rhythm Research**, 43(5), 485-496. [F] [JIF: 0.919]
 13. Chaturvedi, C. M., Singh, V. P., Singh, P., Basu, P., Singaravel, M., Shukla, R. K., Dhawan, A., Pati, A. K., Gangwar, R. K., & Singh, S. P. (2011). 2.45GHz (CW) microwave irradiation alters circadian organization, spatial memory, DNA structure in the brain cells and blood cell counts of male mice, *Mus musculus*. **Progress in Electromagnetics Research B**, (29), 23-42. [F] [JIF: 1.229]
 14. Pande, B., & Pati, A. K. (2010). Overestimation/underestimation of time: Concept confusion hoodwink conclusion. **Biological Rhythm Research**, 41(5), 379-390. [F] [JIF: 0.919]

AK Gupta

1. Pandey, D., & Gupta, A. K. (2014). Antimicrobial activity and phytochemical analysis of *Urginea indica* from Bastar district of Chhattisgarh. **International Journal of Pharmaceutical Sciences Review and Research**, 26(2), 273-281. [I]
2. Dixit, V., Baghel, P., Gupta, A. K., Bisen, P. S., & Prasad, G. B. K. S. (2010). Interruption of annual single dose DEC regimen administration fails to affect transmission intensity even in a situation of filarial low endemicity. **International Medical Journal**, 17(2), 117-121. [F]

SC Naithani

1. Parkhey, S., Naithani, S. C., & Keshavkant, S. (2014). Protein metabolism during natural ageing in desiccating recalcitrant seeds of *Shorea robusta*. **Acta Physiologiae Plantarum**, 36(7), 1649-1659. [F] [JIF: 1.584]
2. Keshavkant, S., Padhan, J., Parkhey, S., & Naithani, S. C. (2012). Physiological and antioxidant responses of germinating *Cicer arietinum* seeds to salt stress. **Russian Journal of Plant Physiology**, 59(2), 206-211. [F] [JIF: 0.946]
3. Parkhey, S., Naithani, S. C., & Keshavkant, S. (2012). ROS production and lipid catabolism in desiccating *Shorea robusta* seeds during aging. **Plant Physiology and Biochemistry**, 57, 261-267. [F] [JIF: 2.756]
4. Srinivasarao, C., Soni, A., Dulloo, M. E., & Naithani, S. C. (2010). Overcoming physiological dormancy in *Ceropegia odorata* seeds, an endangered rare species, with

GA₃, H₂O₂ and KNO₃. **Seed Science and Technology**, 38(2), 341-347. [F] [JIF: 0.48]

V Koche

1. Bharti, S., & Vijaya, K. (2014). Assessment of genetic fidelity in *Terminalia bellirica* (gaertner) roxb plantlets regenerated from nodal culture using RAPD markers. **Research Journal of Biotechnology**, 9(5), 75-79. [I] [JIF: 0.279]
2. Minz, P. L., & Koche V. (2012). Variation in morphological parameters and Andrographolide content in *Andrographis paniculata* (Burm.f.) Nees collected from different provenances of Chhattisgarh. **Research Journal of Biotechnology**, 7, 168-174. [I] [JIF: 0.279]
3. Verma, N., Koche, V., Tiwari, K. L., & Mishra, S. K. (2010). Random amplified polymorphic DNA analysis detects variation in a micro propagated clone of *Trichodesma indicum* (L.) R. br. **African Journal of Biotechnology**, 9(28), 4322-4325. [F] [JIF: 0.573]

RK Pradhan

1. Pradhan, R. K., Mishra, R., & Nag, C. (2013). Diurnal variations of C-reactive protein in trait and sickle cell disease patients. **Biological Rhythm Research**, 44(2), 277-285. [F] [JIF: 0.919]
2. Nag, C., & Pradhan, R. K. (2012). Impact of lifestyle on circadian orientation and sleep behaviour. **Sleep and Biological Rhythms**, 10(2), 94-99. [F] [JIF: 0.588]
3. Nag, C., & Pradhan, R. K. (2012). Impact of television on sleep habits. **Biological Rhythm Research**, 43(4), 423-430. [F] [JIF: 0.919]
4. Nag, C., & Pradhan, R. K. (2011). Sleep deprivation and level of C-reactive protein. **Biological Rhythm Research**, 42(3), 209-218. [F] [JIF: 0.919]
5. Pradhan, R. K., Ray, A., & Nag, C. (2011). Excessive daytime sleepiness (EDS) and concentration of alkaline phosphatase in human saliva. **Biochemical and Cellular Archives**, 11(2), 317-321. [I]

A Poddar

1. Gupta, S., & Poddar, (Niyogi) A. (2014). Sodium fluoride toxicity in the fresh water cat fish *Clarias batrachus* (linn.): Effects on the erythrocyte morphology and antioxidant enzymes. **Research Journal of Environmental Toxicology**, 8(2), 68-76. [F]
2. Mishra, A., & Poddar, A. N. (2013). The coke oven effluent channel of the bhilai steel plant: Toxic effects of its wastewater on the Indian murrel *Channa punctatus* bloch. **Journal of Fisheries and Aquatic Science**, 8(5), 607-616. [F]
3. Xalxo, P. C., Karkun, D., & Poddar, A. N. (2013). Rhizospheric fungal associations of root knot nematode infested cucurbits: In vitro assessment of their nematicidal potential. **Research Journal of Microbiology**, 8(2), 81-91. [F]

A Parganiha

1. Chandel, P., Sultan, A., Khan, K. A., Choudhary, V., & Parganiha, A. (2015). Validation of the Hindi version of the multidimensional fatigue inventory-20 (MFI-20) in Indian cancer patients. **Supportive Care in Cancer**, (In Press) [F] [JIF: 2.364]
2. Singh, A., Kankariya, S., Pati, A. K., & Parganiha, A. (2015). Day length and evening temperature predict circannual variation in activity duration of the colony of the Indian cliff swallow, *Hirundo fluvicola*. **Biological Rhythm Research**, 46(1), 69-79. [F] [JIF: 0.919]
3. Parganiha, A., Taj, S., Chandel, P., Sultan, A., & Choudhary, V. (2014). Effect of hospitalization on rest-activity rhythm and quality of life of cancer patients. **Indian Journal of Experimental Biology**, 52(5), 549-558. [I] [JIF: 0.835]
4. Lévi, F., Dugué, P. A., Innominato, P., Karaboué, A., Dispersyn, G., Parganiha, A., Giacchetti, S., Moreau, T., Focan, C., Waterhouse, J., & Spiegel, D. (2014). Wrist actimetry circadian rhythm as a robust predictor of colorectal cancer patients survival. **Chronobiology International**, 31(8), 891-900. [F] [JIF: 3.343]
5. Pande, B., Parganiha, A., Patra, P. K., & Pati, A. K. (2014). Short-duration judgment in young Indian subjects under 30 h constant wakefulness. **Indian Journal of**

- Experimental Biology**, 52(5), 559-568. [I] [JIF: 0.835]
6. Pande, B., Shindey, R. D., Parganiha, A., & Pati, A. K. (2013). Interval timing as function of methods of estimation - A study on cohorts of young Indians. **Biological Rhythm Research**, 44(3), 469-483. [F] [JIF: 0.919]
 7. Taj, S., Choudhary, V., & Parganiha, A. (2013). Temporal profiles of physical activity and energy expenditure in cancer in-patients. **Biological Rhythm Research**, 44(2), 219-235. [F] [JIF: 0.919]
 8. Achari, K. V., Pati, A. K., & Parganiha, A. (2012). Comparison of distributions of morningness-eveningness among populations of shift workers on varied work patterns in different organizations. **Biological Rhythm Research**, 43(3), 235-248. [F] [JIF: 0.919]
 9. Pande, B., Rathod, G., Vaidya, N., Nag, C., Parganiha, A., & Pati, A. K. (2012). Non-auditory effect of community noise on interval timing in humans: An exploration. **Biological Rhythm Research**, 43(6), 585-601. [F] [JIF: 0.919]
 10. Vaidya, N., Pati, A. K., & Parganiha, A. (2012). Circadian variability and nocturnal dipping pattern in blood pressure in young normotensive subjects. **Biological Rhythm Research**, 43(5), 485-496. [F] [JIF: 0.919]

Former Faculty

V Rai

1. Parihar, P. S., & Rai, V. (2013). Effect of particle size and alkaline pretreatment of some lignocellulosic wastes on production of xylanase from fungal isolates of Raipur. **Current Trends in Biotechnology and Pharmacy**, 7(4), 870-880. [F]
2. Rajput, Y., Biswas, J., & Rai, V. (2012). Potentiality test in antimicrobial activity and antibiotic sensitivity of subterranean streptomyces strains isolated from Kotumsar cave of India. **International Journal of Biological Chemistry**, 6(2), 53-60. [F]
3. Rajput, Y., Rai, V., & Biswas, J. (2012). Screening of bacterial isolates from various microhabitat sediments of Kotumsar cave: A cogitation on their respective benefits and expected threats for complete biosphere and tourists. **Research Journal of Environmental Toxicology**, 6(1), 13-24. [F]
4. Singh, N., Rai, V., & Tripathi, C. K. M. (2012). Production and optimization of oxytetracycline by a new isolate *Streptomyces rimosus* using response surface methodology. **Medicinal Chemistry Research**, 21(10), 3140-3145. [F] [JIF: 1.402]
5. Thakur, R., & Rai, V. (2011). Isolation and biochemical characterization of thermophilic streptomyces from soil of Raipur district of Chhattisgarh, India. **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2(4), 795-808. [I]
6. Yadav, S., Chandra, R., & Rai, V. (2011). Characterization of potential MnP producing bacteria and its metabolic products during decolourisation of synthetic melanoidins due to biostimulatory effect of d-xylose at stationary phase. **Process Biochemistry**, 46(9), 1774-1784. [F] [JIF: 2.516]
7. Singh, N., & Rai, V. (2011). Isolation and characterization of streptomyces sp. from Durg district of Chhattisgarh for antimicrobial activity. **Current Trends in Biotechnology and Pharmacy**, 5(1), 1043-1053. [F]
8. Chandra, R., Yadav, S., Bharagava, R. N., & Rai, V. (2011). Phenol degradation by *Paenibacillus thiaminolyticus* and *Bacillus cereus* in axenic and mixed conditions. **World Journal of Microbiology and Biotechnology**, 27(12), 2939-2947. [F] [JIF: 1.779]

KK Sahu

1. Keshavkant, S., Padhan, J., Parkhey, S., & Naithani, S. C. (2012). Physiological and antioxidant responses of germinating *Cicer arietinum* seeds to salt stress. **Russian Journal of Plant Physiology**, 59(2), 206-211. [F] [JIF: 0.946]
2. Parkhey, S., Naithani, S. C., & Keshavkant, S. (2012). ROS production and lipid catabolism in desiccating *Shorea robusta* seeds during aging. **Plant Physiology and Biochemistry**, 57, 261-267. [F] [JIF: 2.756]

Other Publications of Faculty

AK Pati

1. Kankariya, S., Singh, A., Pati, A. K., & Parganiha, A. (2014). Temporal pattern in roosting behavior of the house swift, *Apus affinis* with reference to environmental factors - a longitudinal study. **Journal of Ravishankar University – B**, 27 (Special Issue), 41-50. [I]
2. Parganiha, A., Soni, R. K., & Pati, A. K. (2010). Covert weakening of circadian organization in a cohort of rotational shift workers. **Journal of Ravishankar University - B**, 21-23, 50-56. [I]

Book Chapter

3. Pati, A. K., & Parganiha A (2010). Biology of subterranean fishes of India. In: The Biology of Subterranean Fishes (E. Trajano, M.E. Bichuette & B.G. Kapoor, eds.), pp. 415-440, Science Publishers and CRC Press, Taylor & Francis Group, USA. [F]

Mini Review

4. Parganiha, A., & Pati, A. K. (2010). Circadian rhythm research in humans: Past, present & future. *Samay*, Newsletter of Indian Society for Chronobiology, 13, 2-3. [I]

AK Gupta

1. Khan, R. & Gupta, A.K. (2015). Screening and Optimization of Organic acid Producers from Mine Areas of Chhattisgarh Region, India. **Int. J. Curr. Microbiol. App. Sci.**, 4, 103-111. [F]
2. Sharma, P., Pandey. D., Rizvi, A.F., & Gupta, A.K. (2015). Antimicrobial activity of *Cassia alata* from Raipur region against clinical and MTCC isolates. **Int. J. Curr. Microbiol. App. Sci.**, 4, 330-339. [F]
3. Belorkar, S.A., Gupta, A.K., & Rai, V, (2015). Screening of microbial isolates for extracellular fructosyltransferase production. **African Journal of Microbiology Research**, 9, 730-735. [F]
4. Khan, R., & Gupta, A.K. (2015). Assessment of antimicrobial activity of different parts of *Pongamia pinnata* L. extracts obtained by sequential extraction against pathogen isolates from Raipur region. **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 6, 577-582. [I]
5. Mahobiya, D., & Gupta, A.K. (2015). Endophytic fungi from selected herbs and shrubs of Raipur and their L-asparaginase producing potentials. **Journal of Ravishankar University - B**, 28, 51-59. [I]
6. Sarkar, A.K., Rai, V. & Gupta, A.K. (2014). Incidence of keratinophilic fungi in areas of Raipur city, Chhattisgarh region, India. **African Journal of Microbiology Research**, 8, 264-269. [F]
7. Pandey, D., & Gupta, A. K. (2014). Antibacterial efficacy of *Curcuma caesia* from Bastar district of Chhattisgarh, India. **International Journal of Pharmaceutical Sciences and Research**, 5, 2294-2301. [I]
8. Pandey, D., & Gupta A. K. (2013). Screening of the antibacterial activity of *Amorphophallus campanulatus* from Bastar region of Chhattisgarh, India. **International Journal of Applied Biology and Pharmaceutical Technology**, 4, 1-6. [I]
9. Belorkar S. A., Gupta, A. K., & Rai, V. (2013). Isolation of potential microbial producers of Fructosyl transferase from bagasse and selected soil sites of Chhattisgarh, India. **Asian J. Microbiol. Biotech. Env. Sc.**, 15, 785-788. [F]
10. Khan, R., & Gupta, A. K. (2013). Assessment of different parts of *Annona squamosa* L. for their antimicrobial activity against pathogen isolates from Raipur region. **Asian J. Microbiol. Biotech. Env. Sc.**, 15, 765-768. [F]
11. Varghese, L. K., Rizvi, A. F. R., & Gupta, A. K. (2013). Isolation, screening and biochemical characterization of pectinolytic microorganisms from soil sample of Raipur city. **Journal of Biological and Chemical Research**, 30, 636-643. [I]
12. Belorkar, S.A., Roymon, M.G., Rai, V. & Gupta, A.K. (2011). Optimization of fructosyltransferase production by *Aspergillus niger* isolated from Durg district.

Advances in Biotech Research, Proceedings of International Conference on BTBT-2011, February 6-9, Aurangabad (M.S.), 229-236. [I]

V Koche

1. Sahu, B., & Koche, V. (2013). In Vitro plantlets regeneration of *Terminalia bellirica* Roxb. important medicinal tree. **International Research Journal of Biological Sciences**, 2, 18-23. [I]
2. Sahu, B., & Koche, V. (2013). Random amplified polymorphic DNA (RAPD) analysis for genetic diversity in *Terminalia bellirica* species (Roxb.), an important medicinal tree. **Asian Journal of Plant Science and Research**, 3, 21-27. [I]
3. Minz, P. L., Singh, N., Mishra, S. K., and Koche, V. (2013). Genetic variability among *Andrographis paniculata* in Chhattisgarh region assessed by RAPD markers. **African Journal of Biotechnology**, 12, 5714-5722. [I]
4. Sahu, B., & Koche, V. (2012). Extraction of tannin by *Terminalia bellirica* (Gaertner) roxb seed from different provenances. **Journal of Phytology**, 4, 9-13. [I]

SK Prasad

1. Qureshi, T. N., Thakur, S.K., Prasad, S. K., Qureshi, S., Parmar, S. & Karode, A. (2010). Administration of serotonin and dopamine precursor drugs at specific time interval influences reproductive conditions in domestic pigeon, *Columba livia*. **J. Exp. Zool. In.**, 13, 23-27. [I]
2. Prasad S. K. & Thakur S. K. (2015). Synergistic effect of melatonin, 5-HTP and L-DOPA on reproductive conditions in spotted Munia, *Lonchura punctulata*. **International J. Res. Stud. Biosc.**, 3, 91-101. [I]

Book Chapter

3. Qureshi, T. N., & Prasad, S. K. (2011). Natural L-Dihydroxyphenylalanine feeding influences body growth and hypothalamic neurosecretory cells in high food value bird, Japanese quail, *Coturnix coturnix japonica*. In: "Advances in environmental research: An interdisciplinary approach" (V. I. Paul et al., eds.), pp. 120–123. Excel India publishers, New Delhi. [I]

RK Pradhan

1. Ray, A., & Pradhan, R. K. (2012). Importance of light in poultry industry. **Research Journal of Science and Technology**, 4, 173-178. [I]
2. Pradhan, R. K., Mishra, R. & Nag, C. (2011). Actigraphic study of sleep behaviour in sickling patients. **Indian Journal of Sleep Medicine**, 6, 61-67. [I]
3. Pradhan, R. K., & Ray, A. (2011). Effect of light/dark cycle on amino acid and protein in the muscle of chicken. **Research Journal of Science and Technology**, 3, 324-328. [I]
4. Pradhan, R. K., & Ray, A. (2011). Poultry farming: An overview. **Research Journal of Science and Technology**, 3, 129-136. [I]

A Poddar

1. Gautam, S. K., Sahu, G., Verma, B. K., & Niyogi Poddar, A. (2014). Status of root-knot nematode (*Meloidogyne species*) disease in vegetable crops of some districts of central plain region of Chhattisgarh state, India. **African Journal of Microbiology Research**, 8, 1663-1671. [I]
2. Mishra, A., & Niyogi Poddar, A. (2014). Acute toxicity and behavioral response of the food fish *Channa punctatus* (Bloch) to an insecticide Dichlorvos. **J. Industrial Pollution Control**, 30, 209-212. [I]
3. Chandrakar, P., & Niyogi Poddar, A. (2014). Effect of coke oven effluent on serum gamma globulin and A/G ratio in *Clarias batrachus*. **Journal of Ravishankar University - B**, 27, 51-57. [I]
4. Sahu, R. S., Xalxo, P. C., Gautam, S. K., & Niyogi Poddar, A. (2014). Occurrence, distribution and community analysis of plant parasitic nematodes associated with vegetable crops in the state of Chhattisgarh, India. **Indian Journal of Nematology**, 44, 32-37. [I]

5. Gautam, S. K. & Niyogi Poddar, A. (2014). Study on protein and sugar content in *Meloidogyne incognita* infested roots of Bitter gourd. **International Journal of Current Microbiology and Applied Sciences**, 3, 470-478. [F]
6. Mishra, A., & Niyogi Poddar, A. (2013). Haematology of the freshwater Murrel *Channa punctatus* (Bloch), exposed for long term duration to phenolic industrial wastes of the Bhilai Steel Plant (Chhattisgarh, India). **International Journal of Scientific and Engineering Research**, 4, 1866-1883. [F]
7. Khewar, V., & Poddar, A. (2013). Effect of the coke oven effluent of Bhilai Steel Plant on ALAT and ASAT activities in liver and gills of *Channa punctatus* (Bloch). **International Journal of Environmental Sciences**, 3, 1737-1748. [F]
8. Bakde, C., & Poddar, A. (2011). Effect of steel plant effluent on acid and alkaline phosphatases of gills, liver and gonads of *Cyprinus carpio* Linn. (1758). **International Journal of Environmental Sciences**, 1, 1305-1316. [F]
9. Joseph, S., & Poddar, A. (2011). Diversity of Fungi in the rhizosphere of few selected vegetable crops of Chhattisgarh. **Research Zone**, 3. [I]
10. Mishra, A., & Poddar, A. (2011). Hematological changes in the Indian Murrel (*Channa punctatus* Bloch) in response to phenolic industrial wastes of the Bhilai Steel plant (Chhattisgarh, India). **International Journal of Researches in Chemistry and Environment**, 1, 83-91. [F]
11. Sahu, R., Chandra, P., & Poddar, A. (2011). Community analysis of plant parasitic nematodes prevalent in vegetable crops in district Durg of Chhattisgarh, India. **Research Journal of Parasitology**, DOI:10.3923/jp(c), Academic Journals Inc. [F]
12. Chandra, P., Sao, R., Gautam, S. K., & Niyogi Poddar, A. (2010). Initial population density and its effect on the pathogenic potential and population growth of the root knot nematode *Meloidogyne incognita* in four species of Cucurbits. **Asian Journal of Plant Pathology**, 4, 1-15. [F]

A Parganiha

1. Sultan, A., Choudhary, V. & Parganiha, A. (2014). Characteristics of circadian rhythms in rest-activity and energy expenditure in cancer in-patients. **South Asian Journal of Experimental Biology**, 4, 327-335. [I]
2. Kankariya, S., Singh, A., Pati, A. K., & Parganiha, A. (2014). Temporal pattern in roosting behavior of the house swift, *Apus affinis* with reference to environmental factors - a longitudinal study. **Journal of Ravishankar University - B**, 27 (Special Issue), 41-50. [I]
3. Kujur, P., & Parganiha, A. (2013). Social interaction in fish: A brief review. **Journal of Ravishankar University - B**, 24-26, 26-34. [I]
4. Parganiha, A., Soni, R. K., & Pati, A. K. (2010). Covert weakening of circadian organization in a cohort of rotational shift workers. **Journal of Ravishankar University - B**, 21-23(1), 50-56. [I]

Paper Published in Proceedings

5. Spiegel, D., Dugue, P. A., Innominato, P. F., Karaboue, A., Dispersyn, G., Parganiha, A., Giacchetti, S., Moreau, T., Focan, C. N. J., Waterhouse, J., & Lévi, F. (2012). Circadian rest-activity rhythm as a predictor of survival in metastatic colorectal cancer. In: *Journal of Clinical Oncology*, Vol 30, No 15, Amer. Soc. Clinical Oncology. [F]
6. Lévi, F., Parganiha, A., Karaboué, A., Innominato, P. F., Giacchetti, S., Garufi, C., Dispersyn, G., Focan, C. N. J., Iacobelli, S., Bjarnason, G. A., Moreau, T., Dugue, P. A., Waterhouse, J., & ARTBC International Chronotherapy Group (2012). Circadian robustness as an independent predictor of prolonged progression-free survival (PFS) and overall survival (OS) in 436 patients with metastatic colorectal cancer (mCRC). In: *J. Clin. Oncol.* 30, 2012 (suppl 4; abstr 464), Gastrointestinal Cancers Symposium, January 19-21, San Francisco, CA. [F]

Book Chapter

7. Pati, A. K., & Parganiha A (2010). Biology of subterranean fishes of India. In: *The Biology of Subterranean Fishes* (E. Trajano, M.E. Bichuette & B.G. Kapoor, eds.), pp. 415-440, Science Publishers and CRC Press, Taylor & Francis Group, USA. [F]

Mini Review

8. Parganiha, A., & Pati, A. K. (2010). Circadian rhythm research in humans: Past, present & future. *Samay, Newsletter of Indian Society for Chronobiology*, 13, 2-3. [1]

A Ekka

1. Ekka A and Ekka NS. (2014). *Madhuca longifolia* var. *latifolia*: An important medicinal plant used by tribes of North-East part of Chhattisgarh. **Online International Interdisciplinary Research Journal**, IV, 227-231. [1]
2. Ekka A. (2013). Some rare plants used by Hill-Korwa in their healthcare from Chhattisgarh. **International Journal of Life Sciences Biotechnology and Pharma Research**, 2, 198-203. [1]
3. Sohal, J. K., & Ekka, A. (2013). Biochemistry and Medicinal values of *Aloe barbadensis* Miller Vera: A Review. **International Journal of Medicinal Plants**, 105, 128-134. [1]
4. Ekka, A. & Ekka, N. S. (2013). Traditional plants used for snakebite by Oraon tribe of Jashpur district, Chhattisgarh. **International Journal of Advanced Research in Management and Social Sciences**, 2, 1-9. [1]
5. Ekka, A., & Ekka, N. S. (2013). Traditional health care in Birhor Tribes of Chhattisgarh. **International Interdisciplinary Research Journal**, 3, 476-483. [1]
6. Ekka, A. (2012). Some traditional medicine for anti-fertility used by the tribals in Chhattisgarh, India. **International Journal of Biology, Pharmacy and Allied Sciences**, 1, 108-112. [1]
7. Ekka, A. (2012). Some interesting alcoholic beverages among the tribal communities in Chhattisgarh, India. **International Journal of Pharmaceutical Research and Bio-science**, 1, 353-359. [1]
8. Ekka, A. (2011). A historical overview of ethnobotanical literature of Chhattisgarh [India]: A graphic review and future directions. **Research J. Science and Tech.**, 3, 220-224. [1]
9. Ekka, A. (2011). Medicinal plants used by local inhabitants in Jashpur district, Chhattisgarh, India. **Proceedings of Climate Change and its Effect on Biodiversity**. pp. 32-36. [1]
10. Ekka, A. (2011). Folklore claims of some medicinal plants used by tribal community of Chhattisgarh, India. **Research Journal of Biology (UK)**, 01, 16-20. [1]
11. Ekka, A. (2011). Some traditional medicine for anti-fertility used by the tribals in Chhattisgarh, India. **International Journal of Biology, Pharmacy and Allied Sciences (UK)** 1(2), 108-112. [1]

Former Faculty**V Rai**

1. Belorkar S. A., Gupta, A. K., & Rai, V. (2013). Isolation of potential microbial producers of Fructosyl transferase from bagasse and selected soil sites of Chhattisgarh, India. **Asian Journal Microbiol. Biotech. Env. Sc.**, 15 (4), 169-172. [1]

KK Sahu

1. Keshavkant, S., & Naithani, S.C. (2010). Chilling induced superoxide production, lipid peroxidation and leakage loss in *Shorea robusta* seedlings. **Indian Journal of Plant Physiology**, 15, 191-196. [1]

23. **Details of patents and income generated**

None

24. **Areas of consultancy and income generated**

None; however, free consultancy is given in the area of Plant Physiology, Chronobiology, Microbiology, Toxicology, etc.

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

None

26. Faculty serving in
- National committees
 - International committees
 - Editorial Boards
 - any other (please specify)

AK Pati

National committees

- President, Indian Society for Chronobiology, 2008-present
- SAP Review Committee, Assam University, Silchar

International committees

- Member, International Advisory Committee, International Congress on Chronobiology, ICC 2012, University of Delhi, New Delhi, 2012
- Member, National Coordination Committee, International Congress on Chronobiology, ICC 2012, University of Delhi, New Delhi, 2012

Editorial Board

- Editor-in-Chief, Journal of Ravishankar University, Part B (Science) from September 2010-Present

Any other: Member in Professional Bodies

- Indian Society for Chronobiology (Life)
- Indian Society for Comparative Endocrinology
- Indian Pineal Study Group
- The Ethological Society of India
- Indian Society for Environmental Endocrinology
- The National Academy of Sciences, India
- Society of Speleology and Subterranean Biology, India
- International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France
- Member of the International Project on the BIOSphere and the COSmos (BIOCOS), Since April 2005

AK Gupta

National committees

- EC Member, Indian Society for Parasitology

SK Prasad

Editorial Board

- Member of Editorial Board: J. Exp. Zool. India

A Poddar

Editorial Board

- Technical Editor, Pakistan Journal of Biological Sciences, Science Alert, New York, USA
- Technical Editor, Journal of Fisheries and Aquatic Sciences, Science Alert, New York, USA
- Technical Editor, Research Journal in Parasitology, Science Alert, New York, USA
- Technical Editor, Research Journal of Environmental Sciences, Science Alert, New York, USA
- Technical Editor, Asian Journal of Biological Sciences, Science Alert, New York, USA
- Editor in Chief, MYNA (A biannual Wall Magazine of the SoS in Life Science, a pioneer effort in the university).

A Parganiha

National committees

- Member, National Coordination Committee, International Congress on Chronobiology, ICC 2012, University of Delhi, New Delhi, 2012

Editorial Board

- Editor, Newsletter, Indian Society for Chronobiology, 2004-2012
- Editor, Journal of Ravishankar University, Part B (Science) from September 2010-Present
- Editor-in-Chief, Magazine, Life Science Alumni Association, from 2014
- Editor-in-Chief, e-Journal of Zoological Society of Chhattisgarh, from February 2015

Any other: Member in Professional Bodies

- Indian Society for Chronobiology
- Executive member, Indian Society for Chronobiology (2000 – 2004; 2012 – till date)
- Indian Society for Comparative Endocrinology
- Zoological Society of Chhattisgarh
- Member of the International Project on the BIOSphere and the COSmos (BIOCOS), Since April 2005
- International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France, 2007-2015

Faculty currently serving in various committees in PRSU

Faculty	Position
AK Pati	<ul style="list-style-type: none"> • Director, IQAC • Director, NCNR
AK Gupta	<ul style="list-style-type: none"> • Chairman, BoS, Bioscience/ Microbiology/ Biochemistry • Member, IQAC
SC Naithani	<ul style="list-style-type: none"> • EC Member • Dean, Life Science
RK Pradhan	<ul style="list-style-type: none"> • In-Charge, Placement Cell
A Poddar	<ul style="list-style-type: none"> • Associate Director, Center for Women Studies • In-Charge, Feedback Cell
A Parganiha	<ul style="list-style-type: none"> • Member, IQAC • VC Nominee, Examination Committee
L Prabhas	<ul style="list-style-type: none"> • Member, IQAC
All Faculty	<ul style="list-style-type: none"> • Member, BoS, Bioscience/ Microbiology/ Biochemistry

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
A Poddar	UGC sponsored Training of trainers' workshop on "Capacity building of women managers in higher education". Tata Institute of Social Sciences, Mumbai	Jan 4-9, 2010
A Parganiha	Refresher Course in Biotechnology – 21st Century, ASC, PRSU, Raipur	17.7.2012 - 06.8.2012
KK Sahu	Refresher Course in Biotechnology – 21st Century, ASC, PRSU, Raipur	17.7.2012 - 06.8.2012
A Ekka	Workshop on Saksham-IT Champion Training Program, ASC, Raipur	December 12-22, 2011
	National Workshop on Trends & Techniques in Chronobiology	January 6-12, 2014
	Workshop on Yoga for Women, ASC, Raipur	August 3-9, 2014
L Prabhas	Orientation Program, ASC, PRSU	June 1-28, 2013

Program Organized

Workshop on E-Learning	January 28, 2013
National Workshop on Research Methodology in Basic Sciences, Engineering & Technology	August 29 – September 02, 2013

Measuring Research Output with Scientometrics and Bibliometrics	September 22, 2013
Special Winter School on Innovation in Teaching and Research	December 1-21, 2013
Workshop on h-Index, i10-Index and Citations,	August 22-23, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

Session	M.Sc. (Bioscience/ Microbiology/ Biochemistry)		M.Phil.
	In-house projects	Collaboration with other Institutes	
2010-2011	18	82	100
2011-2012	22	78	100
2012-2013	05*	05	100
2013-2014	10	10	100
2014-2015	-	-	-

*from 2012-13 the project was optional for students who have scored 65% or above

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Faculty**AK Pati**

- Fellow of National Academy of Sciences

International level

- Member, WHO-sponsored International Project on the BIOSphere and the COSmos (BIOCOS) (2005-present)
- Member, International Association for Research on Time in Biology and Chronotherapy (ARTBC International), Paris, France (2007-2015)
- Chairperson, Symposium 2, International Congress on Chronobiology, ICC 2012, University of Delhi, New Delhi, 2012

AK Gupta

- Fellow of Zoological Society of India

SC Naithani

- INSA Fellowship [03 months] - Institute of Forest Genetics & Tree Breeding, Hamburg, Germany, 1991

A Parganiha

- ISCA Young Scientist Awardee (2001)

International level

- Chairperson, Poster Session, International Congress on Chronobiology, ICC 2012, University of Delhi, New Delhi, 2012

A Ekka

- Fellow of Ethnobotanist, 2010
- D.C. Pal Medal from Society of Ethnobotanists, 2014

Other recognition**AK Pati****National level**

- Chairperson, Session VII – Poster Presentation 2, II National Conference on Recent Advances in Biological Sciences, Pt. Ravishankar Shukla University, Raipur, 2013
- Chairperson, Session X – Invited Lectures, XXV National Symposium on Chronobiology -

Time in Biology & Medicine, Pt. Ravishankar Shukla University, Raipur, 2015

AK Gupta

National level

- Chairperson, Session II – Invited Lecture, II National Conference on Recent Advances in Biological Sciences, Pt. Ravishankar Shukla University, Raipur, 2013
- Chairperson, Session I – Invited Lecture, XXV National Symposium on Chronobiology - *Time in Biology & Medicine*, Pt. Ravishankar Shukla University, Raipur, 2015

SC Naithani

National level

- Chairperson, Session III – Invited Lecture, II National Conference on Recent Advances in Biological Sciences, Pt. Ravishankar Shukla University, Raipur, 2013
- Chairperson, Session – Keynote address, XXV National Symposium on Chronobiology - *Time in Biology & Medicine*, Pt. Ravishankar Shukla University, Raipur, 2015

A Poddar

National level

- Chairperson, Session V – Poster Presentation 1, II National Conference on Recent Advances in Biological Sciences, Pt. Ravishankar Shukla University, Raipur, 2013
- Chairperson, Session XIV – Contributory Poster Presentation, XXV National Symposium on Chronobiology - *Time in Biology & Medicine*, Pt. Ravishankar Shukla University, Raipur, 2015

A Parganiha

National level

- Chairperson, Scientific Session IX, XXI National Symposium on Chronobiology, Jamshedpur Cooperative College, Jamshedpur, 2010
- Chairperson, Scientific Session IX, II National Conference on Recent Advances in Biological Sciences, Pt. Ravishankar Shukla University, Raipur, 2013
- Chairperson, Scientific Session IX, XXV National Symposium on Chronobiology - *Time in Biology & Medicine*, Pt. Ravishankar Shukla University, Raipur, 2015

Post doctoral fellows

Award

1. Ayesha Fatima Rizvi: UGC Women's Post Doctoral Research Fellowship Award, 2012
2. Babita Pande, Research Associateship (RA), CSIR, New Delhi, 2014

Doctoral students

Award

2010

1. Babita Pande: 8th Chhattisgarh Young Scientist Award (Anthropology)
2. Rama Thakur: 8th Chhattisgarh Young Scientist Award (Bioscience)
3. Jyotirmayee Pradhan: 8th Chhattisgarh Young Scientist Award (Botany)
4. Babita Pande: Best Oral Presentation Award, XXI National Symposium on Chronobiology, Jamshedpur
5. Shrutika Kankariya: Best Poster Presentation Award, XXI National Symposium on Chronobiology, Jamshedpur

2011

1. Saba Taj: 9th Chhattisgarh Young Scientist Award (Bioscience)
2. Preeti Lata Minz: 9th Chhattisgarh Young Scientist Award (Botany)
3. Babita Pande: Second Position in oral presentation of research paper. XXII National Symposium on Chronobiology, Kurukshetra University, Kurukshetra
4. Pratibha Kujur: Award for the Best Presentation. XXII National Symposium on Chronobiology, Kurukshetra University, Kurukshetra
5. Priyanka Chandel: Awarded with best lab work presentation, the SERC School in

Chronobiology - Clocks, Rhythms & Behaviour, Meerut

2012

1. Neelambara Varma: 10th Chhattisgarh Young Scientist Award (Botany)
2. Chaynika Nag: 10th Chhattisgarh Young Scientist Award (Behavioural sciences)
3. Razia Sultana: 10th Chhattisgarh Young Scientist Award (Bioscience)
4. Babita Pande: Second Position in oral presentation of research paper XXIII National Symposium on Chronobiology, JNV University, Jodhpur

2013

1. Shivani Gupta: 11th Chhattisgarh Young Scientist Award (Zoology)
2. Nishtha Vaidya: 11th Chhattisgarh Young Scientist Award (Bioscience)
3. Armiya Sultan: Best Presentation Award in SERB School in Chronobiology, Jawaharlal Nehru Center for Advance Scientific Research, Bangalore

2014

1. Dhananjay Pandey: 12th Chhattisgarh Young Scientist Award (Life science)

2015

1. Armiya Sultan: Best Poster Presentation Award, XXV National Symposium on Chronobiology, Raipur

Fellowship

2010-2011

1. Nishtha Vaidya: Senior Research Fellow (SRF), Council of Scientific and Industrial Research (CSIR), New Delhi
2. Razia Sultana: Maulana Azad National Fellowship for Minority Student
3. Saba Taj: Maulana Azad National Fellowship for Minority Student
4. Saba Taj: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi

2011-2012

1. Pratibha Kujur: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi
2. Dhananjay Pandey: INSPIRE-JRF, Department of Science and Technology (DST), New Delhi
3. Surendra K. Gautam: Rajiv Gandhi National Fellowship
4. Rinu Khan: Maulana Azad National Fellowship
5. Babita Pande: Senior Research Fellow (SRF), Council of Scientific and Industrial Research (CSIR), New Delhi

2012-2013

1. Kaushal Baghel: DST - CSI Junior Research Fellow
2. Kaushal Baghel: Rajiv Gandhi National Fellowship
3. Neha Shukla: DST - CSI Junior Research Fellow
4. Priti Chandrakar, M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur
5. Priyanka Chandel: Project Fellow, UGC DRS-SAP

2013-2014

1. Babita Pande, GATE, Life Sciences
2. Kaushal Baghel, ARS-NET, Agricultural Biotechnology
3. Neha Shukla, M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur
4. Priyanka Chandel, M.Phil. Scholarship, Pt. Ravishankar Shukla University, Raipur

UGC BSR Fellowship

2011-2012

- Junior Research Fellowship: Shrutika Kankariya, Suruchi Parkhey, Ashis Sarkar, Preeti Parihar, Rama Thakur

2012-2013

- Junior Research Fellowship: Arati Singh, Shivani Gupta, Kavita Dehare, Gyanchandra Sahu, Deepika Mahobiya

2013-2014

- Junior Research Fellowship: Priti Chandrakar, Sonal Singh, Sandhya Chandrakar, Anju Verma, Archana Chaurasia
- Senior Research Fellowship: Shrutika Kankariya, Suruchi Parkhey, Ashis Sarkar, Preeti Parihar

2014-2015

- Junior Research Fellowship: Armiya Sultan, Bindushree Baghel, Renu Kujur, Seema

Upadhyay, Gamini Sahu

2015-2016

- Junior Research Fellowship: Priyanka Chandel, Noorshama Parveen, Monika Verma, Satendra Induria, Namita Gajendra

Travel support to attend International Conference

- Babita Pande: Paper presented in 3rd World Congress of Chronobiology, Puebla, México. Foreign Travel Grant provided by Department of Science and Technology (DST), New Delhi, 2011
- Nishtha Vaidya: Paper presented in 3rd World Congress of Chronobiology, Puebla, México. Foreign Travel Grant provided by Department of Science and Technology (DST), New Delhi, ICMR, New Delhi, CCOST, Raipur and PRSU, Raipur, 2011
- Arati Singh: Foreign Travel Grant from CCOST and PRSU, Raipur, to attend 2012 at Khao Lak Laguna Resort, Takua Pa, Phang-nga, Thailand, 2012
- Shrutika Kankaria: Foreign Travel Grant from CCOST and PRSU, Raipur, to attend 2012 at Khao Lak Laguna Resort, Takua Pa, Phang-nga, Thailand, 2012

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	National Seminar on Carbon Credit and Food Security, March 22, 2013	UGC	BC Das, A Boaz, Nitin Tiwari, AK Singh
	XXV National Symposium on Chronobiology – Time in Biology and Medicine, March 27-29, 2015	UGC, DST, CSIR, CCOST	Vinod Kumar, VK Sharma, BN Mallick, P Nath, Sangeeta Rani, Dinesh Bhatt, Anita Jagota, Subhashis Sahu
Conferences	National Conference on Advances in Biological Sciences, November 5-7, 2011	UGC, ICMR, CCOST	BC Tripathy, G Marimuthu, PS Bisen, RK Kar, RS Dubey, C Manoharachary, D Siva Prasad, P Subramanian
	II National Conference on Recent Advances in Biological Sciences, November 25-27, 2013	UGC, CCOST	SM Singh, Vinod Kumar, VK Sharma, A Kar, P Mehta, BD Singh, Shrikant Kukreti, BK Senapati
Workshops	National Workshop on Trends & Techniques in Chronobiology, January 6-12, 2014	UGC	DS Joshi, P Nath, KK Sharma, A Jagota, M Singaravel, Minakshi Sinha, AK Pati, A Parganiha

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Institutional Ethics Committee for Human Research
- Institutional Ethical Committee for Animal Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Sc. Bioscience					
2010-2011	30	03	09	33	81
2011-2012	27	00	08	100	76
2012-2013	22	01	15	50	100
2013-2014	42	07	06	86	100

2014-2015	37	01	13	100	100
2015-2016	37	02	11	-	-
M.Sc. Microbiology					
2010-2011	50	04	10	100	91
2011-2012	52	03	11	100	100
2012-2013	27	03	08	100	100
2013-2014	26	03	11	100	94
2014-2015	25	01	11	100	95
2015-2016	42	08	05	-	-
M.Sc. Biochemistry					
2010-2011	28	04	07	82	93
2011-2012	25	03	05	100	100
2012-2013	28	03	07	80	92
2013-2014	27	01	08	100	93
2014-2015	20	04	06	80	79
2015-2016	18	03	07	-	-
M.Phil. Bioscience					
2010-2011	62	01	09	100	56
2011-2012	20	03	07	100	100
2012-2013	30	03	06	100	100
2013-2014	37	02	06	50	100
2014-2015	18	-*	-	-	-
2015-2016	20	-	-	-	-
Ph.D. Bioscience/ Microbiology/ Biochemistry/ Zoology					
2010-2011	133	2	6	-	-
2011-2012	127	6	5	-	-
2012-2013	109	4	6	-	-
2013-2014	110	3	6	-	-
2014-2015	107	6	7	-	-
2015-2016	98	1	3	-	-
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.Sc. Bioscience	2014-15	92	08	00	00
M.Sc. Microbiology	2014-15	75	25	00	00
M.Sc. Biochemistry	2014-15	90	10	00	00
M.Sc. Bioscience	2013-14	100	00	00	00
M.Sc. Microbiology	2013-14	85	15	00	00
M.Sc. Biochemistry	2013-14	89	11	00	00
M.Sc. Bioscience	2012-13	85	00	15	00
M.Sc. Microbiology	2012-13	90	10	00	00
M.Sc. Biochemistry	2012-13	86	14	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Babita Pande	CSIR LS	2010	General
2.	Deepa Gandhi	NET JRF	2011	General
3.	Priyanka Nair	NET JRF	2011	General
4.	Anupriya Chandrakar	CSIR - JRF	2013	OBC
5.	Anupriya Chandrakar	ICAR - NET	2013	OBC
6.	Anupriya Chandrakar	GATE	2013	OBC
7.	Priyambada Singh	GATE	2013	General
8.	Seema Upadhyay	GATE	2013	General
9.	Kaushal Kumar Baghel	GATE	2013	SC
10.	Babita Pande	GATE	2013	General
11.	Renu Kujur	CSIR LS	2013	ST
12.	Anju Ahar	CSIR LS	2013	OBC
13.	Vikram Singh	CSIR LS	2013	ST
14.	Dhananjay Tandon	CSIR LS	2014	ST
15.	Smita Kumari	CSIR LS	2014	General
16.	Balram Sahu	CSIR LS	2015	OBC
17.	K Venu Achari	Assistant Professor (PSC)	2012	OBC
18.	Sadhna Jaiswal	Assistant Professor (PSC)	2012	OBC
19.	Raju Lal Kosre	Assistant Professor (PSC)	2012	SC
20.	Shashi Gupta	Assistant Professor (PSC)	2012	General
21.	Rekha Gupta	Assistant Professor (PSC)	2012	General
22.	Anil Ramteke	Assistant Professor (PSC)	2012	ST
23.	Kamal Naik	Assistant Professor (PSC)	2012	OBC
24.	Ravindra Sirmour	Forensic Officer (PSC)	2010	OBC
25.	Sriram Kunjam	Forensic Officer (PSC)	2010	SC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	30 %
PG to Ph.D.	54 %
Ph.D. to Post-Doctoral	3 %
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	20 %
Entrepreneurs	5 %

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	60 %
from other universities within the State	Nil
from universities from other States	40%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	5
c) Class rooms with ICT facility	1
d) Students' laboratories	5
e) Research laboratories	9

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Kaushal Kumar Baghel	AK Pati	2012	Bioscience
2.	Priti Chandrakar		2012	Zoology
3.	Labya Prabhas		2013	Bioscience
4.	Rinu Khan	AK Gupta	2011	Microbiology
5.	Dhananjay Pandey		2011	Microbiology
6.	Deepika Mahobiya		2011	Microbiology
7.	Sandhya Chandrakar		2011	Microbiology
8.	Dhananjay Tandon		2014	Microbiology
9.	Priya Sutaoney		2014	Microbiology
10.	Balram Sahu	SC Naithani	2012	Biochemistry
11.	Alok Kumar Sahu		2013	Biochemistry
12.	Shristi Sharma		2014	Biochemistry
13.	Sonal Khandelwal	V Koche	2011	Bioscience
14.	Seema Upadhyay		2013	Bioscience
15.	Bindushree Baghel	SK Prasad	2012	Zoology
16.	Namita Gajendra		2014	Zoology
17.	Gyan Chand Sahu	RK Pradhan	2011	Biochemistry
18.	Archana Chaurasia		2012	Biochemistry
19.	Gamini Sahu	A Poddar	2013	Bioscience
20.	Kamal Nayan Mishra		2014	Biochemistry
21.	Pratibha Kujur	A Parganiha	2011	Bioscience
22.	Noorshama Parveen		2013	Zoology
23.	Priyanka Chandel		2014	Bioscience
24.	Anju Verma	A Ekka	2012	Bioscience
25.	Monika Verma		2013	Bioscience
26.	Parvez Ahmed Khan		2014	Bioscience
27.	Rashmi Sharma	V koche	2015	Bioscience

ii. Post-doctoral:

S. No.	Name of Student	Guide	Year	Agency
1.	Ayesha Fatima Rizvi	V Rai/ AK Gupta	2012	UGC, New Delhi, under the scheme Women Post Doc Fellowship

iii. Research Associates:

S. No.	Name of Student	Guide	Year	Agency
1.	Babita Pande	AK Pati	2014	CSIR, New Delhi

b) from other institutions/universities

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Margret Masih Singh	AK Pati	2014	Zoology
2.	Pravesh Soni	V Koche	2014	Bioscience
3.	Mahdev Sahu	RK Pradhan	2014	Bioscience
4.	Purva Mishra	A Poddar	2014	Biochemistry
5.	Shivani Gupta	A Poddar	2011	Zoology
6.	Armiya Sultan	A Parganiha	2012	Bioscience
7.	Renu Kujur	A Ekka	2012	Bioscience
8.	Satendra Kumar Induria	A Agrawal/ AK Pati	2013	Bioscience

9.	Vikram Singh	A Quraishi/ V Koche	2014	Bioscience
10.	Shikha Malik	A Parganiha	2015	Zoology
11.	Shraddha Pradhan	AK Pati	2015	Zoology

ii. Post-doctoral: None

iii. Research Associates: None

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Shashikala Naik	ML Naik	2010	Bioscience
2.	Yogita Thakur	V Rai	2010	Microbiology
3.	Ram Naresh Bhargav	V Rai	2010	Microbiology
4.	Bharti Sahu	V Koche	2011	Bioscience
5.	Leelagar Singh Verma	SK Mishra	2011	Bioscience
6.	Parmanand Baghel	AK Gupta	2011	Bioscience
7.	Neelambra Verma	SK Mishra	2011	Biotechnology
8.	Amita Sharma	V Koche	2011	Bioscience
9.	Rashmi Mishra	RK Pradhan	2011	Bioscience
10.	Preeti Lata Minj	V Koche	2011	Biotechnology
11.	Chainika Nag	RK Pradhan	2011	Bioscience
12.	Malti Singh	SK Mishra	2011	Botany
13.	Pushpa Poddar	AK Pati	2012	Zoology
14.	Sangeeta Yadav	V Rai	2012	Biochemistry
15.	Nishtha Vaidya	A Parganiha	2012	Bioscience
16.	Razia Sultana	AK Pati	2012	Bioscience
17.	Vinita Thomas	SC Naithani	2012	Bioscience
18.	Preeti Xalxo	A Poddar	2012	Bioscience
19.	Rama Thakur	V Rai	2013	Microbiology
20.	Iram Fatima Khan	V Koche	2013	Bioscience
21.	Vinita Thomas	SC Naithani	2013	Bioscience
22.	Jyoti Bakshi	SC Naithani	2013	Bioscience
23.	Babita Pande	AK Pati	2013	Bioscience
24.	Saba Taj	A Parganiha	2013	Bioscience
25.	Suruchi Parkhey	KK Sahu	2014	Bioscience
26.	Neha Singh	V Rai	2014	Bioscience
27.	Vimal Kumar Pandey	AK Pati	2014	Bioscience
28.	Preeti Singh Parihar	V Rai	2014	Biochemistry
29.	Avinash Soni	SC Naithani	2014	Bioscience
30.	Seema Belorkar	AK Gupta	2014	Microbiology
31.	Arati Singh	AK Pati	2015	Bioscience
32.	Shrutika Kankaria	AK Pati	2015	Bioscience

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from:

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
No
b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) alumni and employers on the programs offered and how does the department utilize the feedback?
<ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In Academics:

S. No.	Name	Subject	Year	Current Position Held
<i>International</i>				
1.	Anand Ramchandrupa	Bioscience	1986	Director, Division of Rheumatology, Department of Medicine, Cooper Hospital/ University Medical Center, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, Camden, New Jersey, USA.
2.	Elizabeth (Verghese) Thomas	Bioscience	1997	Principal Scientist, Pfizer, Pearl River, New York, USA
3.	Boby Varghese	Bioscience	2000	Asst. Professor, Plant germplasm Conservation Research, School of Conservation and Biological Sciences, Westville campus, University of Kwa Zulu Natal, Durban, South Africa
4.	Pratibha Shrivastava	Bioscience	2000	Biological Scientist 3, Dept of Agriculture, Florida, USA
<i>National</i>				
1.	Sandhya Rani (Chetty) Gaur	Bioscience	1984	Prof and Head, Dept of Fisheries, IGKV, Raipur
2.	MG Roymon	Bioscience	1985	Vice-Principal, St. Thomas College, Bhilai
3.	Nibha (Gupta) Basak	Bioscience	1989	Sr. Scientist, Regional Plant Resource Centre, Bhubaneswar, (Odisha)
4.	Prasad Wadegaonkar	Bioscience	1994	Professor, SoS Biotechnology, Sant Gadge Baba Amravati University, Amravati
5.	Lata (Lalwani) Ramrakhiani	Bioscience	1998	Faculty, Vijaygarh Joytish Ray College, Kolkata

In Administration:

1.	Vivek Dalela	Bioscience	1982	Asst. Commissioner, Tribal Welfare, Govt. of Chhattisgarh
2.	SC Jena	Bioscience	1992	Chief Conservator of Forests, Govt. of Chhattisgarh
3.	Sanjita Gupta	Microbiology	1995	Conservator of Forests and Executive Director, Minor Forest Produce Federation, Dept of Forests, Govt. of Chhattisgarh
4.	Ifat Ara	Bioscience	1996	Deputy Collector, Raipur
5.	Varsha Mehar	Bioscience	1997	DSP, Chhattisgarh

6.	Kumar Lal Chauhan	Bioscience	1995	Collector, Chhattisgarh
----	-------------------	------------	------	-------------------------

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
National Science Day Celebration	2014	<ul style="list-style-type: none"> A.T. Dabke Prof. M.L. Naik
National Science Day Celebration	2015	<ul style="list-style-type: none"> Prof. Jagat Rai Prof. M.P. Thakur
Visiting Professor	2014	<ul style="list-style-type: none"> Prof. B.K. Senapati

Various Conferences & Workshops organized: 2010-2015

Invited lectures 2010-2015:

Invited Speaker	Year
Prof. Gotam K. Jarori, TIFR, Mumbai	2011
Aparna Dutta Gupta, University of Hyderabad	2011
Rudna Deo Tripathi, CSIR-NBRI, Lucknow	2012
Prof. M. Shaidapur, Dharwad	2012
Prof. Panchanan Nath, Shantiniketan	2013
Prof. B.D. Singh, BHU, Varanasi	2013
Prof. G. Govil, TIFR, Mumbai	2014
Prof. M.A. Akbarsha, Thiruananthapuram	2014
M.C. Satyanarayana, Thiruananthapuram	2014
Rammohan Shukla, Japan	2014
Prof. R. Veronika, Poland	2014
Prof. Anil Grover, Delhi University	2014
Prof. Vinod Kumar, Delhi University	2014
Prof. R. Gopichandran, DST, New Delhi	2015
Prof. BN Mallick, JNU, New Delhi	2015
Prof. Vijay Sharma, JNCASR, Bangalore	2015

45. List the teaching methods adopted by the faculty for different progra

- Instruction paradigm
- Learning paradigm
- Lab work
- Field Work
- Rubrics
- ICT

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
<ul style="list-style-type: none"> Staff Council 	Monthly meeting and interaction
<ul style="list-style-type: none"> DRC 	Progress of research activity
<ul style="list-style-type: none"> Feedback 	Feedback analyzed and discussed in Staff Council meeting
<ul style="list-style-type: none"> Attendance 	Monitored twice in the semester
<ul style="list-style-type: none"> Internal Assessment 	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

- Cleanliness drive
- Plantation
- Blood donation camp
- Public Out Reach Center

Description	Date	Beneficiary
Rajyotsav	November 1 st Week	Public in general and students in particular
INSPIRE	Twice in a year	+ 10 School students of the state
Annual Young Scientist Meet	Once in a year (Feb-March)	Academicians and Researchers

48. Give details of “beyond syllabus scholarly activities” of the department.
- Acting as adjudicator for evaluation of PhD thesis of other university
 - Acting as Resource Person
 - Referring of manuscripts
 - Members in Editorial Board
 - Members in Advisory Committee
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes; Reviews, book chapters, books written by faculties work as resource materials in other Universities.

Review

1. Pati AK (2001). Chronobiology: The dimension of time in biology and medicine. Proc. Indian Natn. Sci. Acad. (PNSA) B67, 323-372.
2. Pati, A.K., Chandrawanshi, A. and Reinberg, A. (2001). Shift work: Consequences and management. *Current Science*, **81** (1), 32-52. Indian Academy of Sciences, Bangalore.
3. Pati AK (2004). Chronobiology: Implications of circadian rhythm. *Natl. Acad. Sci. Lett.* 27, 233-248.
4. Pati, A.K. and Parganiha, A. (2005). Shift work: Circadian rhythm disruption and beyond. *Proc. Indian Natn. Sci. Acad. (PNSA)*, **B71**, 229-255.

Book Chapter

1. Pati AK (2008). Circadian rhythms in hypogean fish: with special reference to the cave loach, *Nemacheilus evezardi*. In: *Fish Life in Special Environments*, P. Sébert, D.W. Onyango and B.G. Kapoor (eds.), pp. 83-130. Science Publishers, New Hampshire, USA.
2. Pati, A.K. and Parganiha, A. (2010). Biology of subterranean fishes of India. In: *The Biology of Subterranean Fishes*. (E. Trajano, M.E. Bichuette & B.G. Kapoor, eds.), pp. 415-440, Science Publishers and CRC Press, Taylor & Francis Group, USA.

Book

1. Ali SS, Rai V, Mishra SK and Pati AK (1988). Biostatistics. In “Graduate Botany”, Adeb Education, Raipur.
2. Pati AK, ed. (1993). CHRONOBIOLOGY, RSU, Raipur. Reviewed in IJEB, Vol. 32, January 1994, p.72 by AV Ramachandran and IJBB, Vol. 31, February 1994, pp. 81-82 by MK Chandrashekar.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Research citations/ documentations in well known and reputed Database
- Good infrastructure for research In diversifies areas of Life Sciences
- DST-FIST and UGC DRS-SAP support Extra-mural Research Projects

Weaknesses

- Lack of Linkages with Industries
- Limited Consultancy

Opportunities

- Scope for research activities in Tribal areas
- Collaboration/ MoUs: Agricultural, Ayush, Veterinary Universities and AIIMS

- Consultancy in the diverse fields of Life Sciences

Challenges

- Implementation of Modular syllabus
- Linkage/ Consultancy/ MoU

52. **Future plans of the department.**

- M.Sc. by Research
- Expansion of infrastructure, animal house, instrumentation facility
- International collaboration for obtaining grants from agencies, like WHO, NIH, Ford Foundation

Evaluative Report of the Department

1. Name of the Department: School of Studies in Literature & Languages
2. Year of establishment: 1965
3. Is the Department part of a School/Faculty of the university? A University Teaching Department(Faculty of Arts)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Lit., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A.	PG	Linguistics	1965
2.	M.A.	PG	English	1992
3.	M.A.	PG	Hindi	1998
4.	M.A.	PG	Chhattisgarhi	2013
5.	M.Phil.	Research	Linguistics	1985
6.	M.Phil.	Research	English	1992
7.	M.Phil.	Research	Hindi	1998
8.	Ph.D.	Research	Linguistics	1965
9.	Ph.D.	Research	English	1992
10.	Ph.D.	Research	Hindi	1998
11.	D.Lit.	Research	Linguistics & Hindi	1975 2005

5. Interdisciplinary programs and departments involved
No
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual: M.Phil., Diploma in European and Asian Languages-English,French, Certificate in Translation)
 - Semester: M.A. with Choice Based Credit System from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
No
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	2	1	3
Associate Professor	4	-	-
Assistant Professor	8	3	1
Contract Teachers	-	-	6
Guest Teachers	-	-	11

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
KL Verma	Ph.D.	Professor	Applied Linguistics, Hindi and English	28	4(2)*	2
VN Dubey	Ph.D.	Professor	Socio Linguistics and Phonetics, Chhattisgarhi	35	4(2)*	14
S Sharma	Ph.D.	Professor & Head	Semantics & Chhattisgarhi	28	2(1)*	14
ML Bara	Ph.D.	Assistant Professor	Katha Sahitya	10	(6)*	29

*Currently working

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	PG Program				
	Linguistics	English	Hindi	Chhattisgarhi	Diploma in English, French and Certificate in Translation
Seat	20	30	20	40	30
2010-2011	60	100	80	100	100
2011-2012	60	100	80	100	100
2012-2013	60	100	80	100	100
2013-2014	40	100	80	100	100
2014-2015	40	100	80	100	100
2015-2016	40	100	80	100	100

14. Program-wise Student Teacher Ratio

Session	PG Program				M.Phil.		
	Ling.	Eng.	Hindi	Chhatt.	Ling.	Eng.	Hindi
2010-2011	0.5:1	3.62 :1	0.6 :1	-	1.75 :1	3.33 :1	3.33 :1
2011-2012	0.5:1	3.66 :1	0.6 :1	-	0.75 :1	2.66 :1	3.33 :1
2012-2013	1 :1	5.4 :1	2.6 :1	-	1.66 :1	3.33:1	3:1
2013-2014	1 :1	5.4 :1	3.25:1	33.33:1	2:1	3 :1	3:1
2014-2015	1 :1	6:1	3.25:1	33.33:1	1:1	3.33:1	3.33 :1
2015-2016	1 :33:1	5.8:1	2.12:1	8:1	33.33:1	33.33:1	33.33:1

Median	0.88:1	4.98:1	2.7:1	24.88:1	6.74:1	8.16:1	8.22:1
--------	--------	--------	-------	---------	--------	--------	--------

Ph.D. 6 research scholars (maximum) with each teacher

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	3	2	2
Administrative Staff	2	1	1

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area
1.	Hindi Language & Literature
2.	Tribal Language (Halbi, Bhatari, Muria, Gondi, Dorli, Munda, Sabaria, Banjari,)
3.	Indo-Anglian Literature, English Language
4.	Comparative Studies (Hindi-English, Chhattisgarhi-Oriya, Hindi-Chhattisgarhi)
5.	Functional Hindi/English
6.	Translation
7.	Comparative Study
8.	Error Analysis
9.	Chhattisgarhi Language, Literature, Folk Literature

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with:

a)	State recognition	-
b)	National recognition	UGC
c)	International recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications

Parameter	Number		Average
	NON-SCOPUS	SCOPUS	SCOPUS
	National	International	
o Number of papers published in peer reviewed journals (national/ international)	21	-	2.62/ faculty
o Monographs	-		
o Chapters in Books	13		2.6/ faculty
o Edited Books	-		
o Books with ISBN with details of publishers	05		

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

KL Verma

1. Verma, K. L. & Prajapati J.S. (2014). Bhavani Prasad Mishra : Shramasadhak ka sahaj kavyappravah. **Bhasha**, Kendriya Hindi Nideshalaya, Govt of India, Ramkrishnapuram, New Delhi, India, Ank- Nov-Dec 2014, Page 50-58, ISSN NO- 0523-1418. [I]
2. Verma, K.L. & Prajapati J.S. (2012). Meera ki Bhakti: Antardrishti aur Vidroh. **Bhasha**, Kendriya Hindi Nideshalaya ,Govt of India, Ramkrishnapuram, New Delhi, India, Ank-July-August Page 68-77, ISSN NO- 0523-1418. [I]

VN Dubey

1. Dubey, V.N. (2015). Lok Sahitya ka Swaroop. **Gurukul SodhSrijan**, Raipur, India, Vol-2, Ank-2, July-Aug 2015, P.No. 83-86, ISSN No 2349-9702. [I]
2. Dubey, V.N. (2015). Bhumandalikaran Avam Nai Pradyogiki va Bhashayen, **Vikalp**, Dehradun, India, Ank-1, Year-24, Jan-Jun 2015, P.No. 12-13 ISSN No 23956038. [I]
3. Dubey, V.N. (2013). Chhattisgarhi Lok Geeton Ki Samajik Prasthabhumi: Dadariya ke Vishesh Sandarbh Mein, **Bhasha**, Kendriya Hindi Nideshalaya, New Delhi, India, Ank-4, Year-53, P.No. 39-43, ISSN No. 0523-1418. [I]

S Sharma

1. Sharma, S. (2015). Habib Tanveer aur Rangmanch, **Rashtra setu**, Raipur, India, Ank&20, Year-6, Apr-Jun 2015, P.No. 41-43, ISSN No. 3220-3455. [I]
2. Sharma, S. (2013). Sahitya Jagat ka Jwajalyamaan Nakshtra: Mohan Rakesh, **Rashtrasetu**, Raipur, India, Ank&14, Year-4, Jul-Sep 2013, P.No. 13-15, ISSN No. 3220-3455. [I]

ML Bara

1. Bara, M.L. (2014). Mehrunnisha Parvez ki Kahani 'Kanibaat' me Aanchlikata, **IJRSS**, Raipur, India, Vol-2, Jul-Sept. 2014, P.No. 186-188, ISSN No. 2347-5145. [I]
2. Bara, M.L. (2014). Samkalin Kavita me Aam Aadmi, **IJASS**, Raipur, India, Vol-2, Issue-3, Jul-Sept. 2014, P.No. 180-182, ISSN No. 2347-5153. [I]
3. Bara, M.L. (2014). Suryabala ki Kahaniyo me Nimnverg ka Yatharth Chitran, **RJHSS**, Raipur, India, Vol-5, Issue-3, Jul-Sept. 2014, P.No. 283-285, ISSN No. 0975-6795. [I]
4. Bara, M.L. (2014). Hindi Kahani- Lekhan me Mahilaon ka Yogdan, **Sodh-Prakalp**, Raipur, India, Vol-LXVI, Year-20, Jan-Mar. 2014, P.No. 46-49, ISSN No. 2278-3911. [I]
5. Bara, M.L. (2014). 'KalaJal' Upanyas me Aanchalikta, **Sodh-Prakalp**, Raipur, India, Vol-LXVI, Year-20, Jan-Mar. 2014, P.No. 46-49, ISSN No. 2278-3911. [I]
6. Bara, M.L. (2014). Surayabala ka Vyang Sahitya, **Edu-Junction**, Raipur, India, Vol-6, No-1, Jan-Mar. 2014, P.No. 54-58, ISSN No. 2278-3938. [I]
7. Bara, M.L. (2014). Bihari ke Dohe me Avaachik Sampreshan, **Lab to Land**, Raipur, India, Vol-4, No-15A, Jul-Sep. 2012, P.No. 838-841, ISSN No. 0975-228X. [I]
8. Bara, M.L. (2014). Nagarjun ke Hindi Upanyason me Nari, **Lab to Land**, Raipur, India, Vol-3, No-11, Jul-Sep. 2012, P.No. 483-487, ISSN No. 0975-228X. [I]
9. Bara, M.L. (2014). Asadhya Veena : Rahasya aur Nirvaiktikta, **Lab to Land**, Raipur, India, Vol-3, No-10, Apr-jun. 2011, P.No. 320-325, ISSN No. 0975-228X. [I]
10. Bara, M.L. (2014). Samkaalin Hindi Kavita me Aarthik Pida se Jujhta Aam Aadmi, **RJHSS**, Raipur, India, Vol-2, Issue-4, Oct-Dec. 2011, P.No. 174-177, ISSN No. 0975-6795. [I]
11. Bara, M.L. (2014). Muktibodh ke Kavya me Naari ke Prati Samvedna, **RJHSS**, Raipur, India, Vol-2, Issue-3, Jul-Sept. 2011, P.No. 154-157, ISSN No. 0975-6795. [I]

Guest Faculty

A Pathak

1. Pathak, A. (2015). Mankikaran ke Vividh Aayam, **Vikalp**, India, petroleum mantralaya, dehradun, India, Ank-1, Year-24, Jan-Jun 2014, P.No. 32-33, ISSN No. 2395-6038. [I]
2. Pathak, A. (2014). Nimbark Sampradaya me Nihit Samajik Kranti ke Tatva, **Global**

- Journal of Multidisciplinary Studies**, Jabalpur, M.P., India, vol-3, Issue-4, March 2014, P.No.- 168-172, ISSN No – 2348-0459. [1]
3. Pathak, A. (2014). Hindi Samiksha sa Purodha Aalochak Dr.Ramvilas Sharma, **Rashtrasetu**, Raipur, India, vol-16, Year-4, Apr-Jun 2014, P.No.- 9-11, ISSN No – 2320-3455. [1]
 4. Pathak, A. (2013). Bhasha aur Sampreshan, **The Discourse**, Jamsedpur, India, vol-2, Issue-1-2, Jan-Jun 2013, P.No.- 227-232, ISSN No – 2270-0920. [1]
 5. Pathak, A. (2013). Hindi Bhasha, Upbhasha aur Bolio ka Antarsambandh, **SammelanPatrika**, Allahabad, India, vol-98, Jan-Mar 2013, P.No.- 73-77, ISSN No – 2278-1773. [1]
 6. Pathak, A. (2012). Samaj Bhasha vigyan : Ek Parichay, **ShodhDisha**, Bijnour, India, vol-18, Apr-Jun 2012, P.No.- 345-349, ISSN No –0975-735X. [1]
 7. Pathak, A. (2012). Bhojpuri Lokgito me 'Kajari' ki Prasangikata, **Sodh-Sankalp**, Bhilai, India, vol-2, May-Jun 2012, P.No.- 45-48, ISSN No –2277-2715. [1]
 8. Pathak, A. (2012). Hindi ke Vikash me Electronics Media ki Bhumika, **NavNikash**, Kanpur, India, vol-12, Year-5, Jun 2012, P.No.- 26-29, ISSN No –0975-02827. [1]
 9. Pathak, A. (2011). Agey ki Kavya bhasha, **Sunder Subhesh**, Bilaspur, India, vol-89, Aug-Sep 2011, P.No.- 25-26, ISSN No –0976-9552. [1]
 10. Pathak, A. (2011). Agey-Hindi Sahitya ke Sashakt Hastakshar, **SunderSubhesh**, Bilaspur, India, vol-12, Nov-Dec 2011, P.No.- 33-35, ISSN No –0976-9552. [1]
 11. Pathak, A. (2010). Natakkar Jayshankar Prasad, **SunderSubhesh**, Bilaspur, India, vol-1, Jan-Feb 2010, P.No.- 41-42, ISSN No –0976-9552. [1]

KM Dwivedi

1. Dwivedi, K. M. (2014). Chhattisgarhi ka Atit Avam Bhavishya Vikas ki Sambhavna. **Rashtrasetu**, Raipur, India ,P.No.- 28-30, ISSN NO.- 2320-3455. [1]
2. Dwivedi, K. M. (2013). Rajendra Mishra-Bahu aayami Vyaktitva, **Journal of Ravishankar University**, Vol-16-18.,Year- 13, Raipur, India ,P.No.- 30-33, ISSN NO.- 0970-5910. [1]
3. Dwivedi, K. M. (2013). Chaitanya Sampraday me Bhakti Aandolan, **Vahakvarta**, Odisha, India ,P.No.- 9-10, ISSN NO.- 2321-8789. [1]
4. Dwivedi, K. M. (2013). Rajbhasha Vartman Isthiti avam Sambhavnaye, **Aaj ki Hindi**, DRDO, Delhi, India , P.No.- 130, ISBN NO.- 978-81-86514-47-4. [1]

SM Sharma

1. Sharma, S. (2015). Thematic Study of Manju Kapur's Difficult Daughters. **Research J. Humanities and Social Sciences**, Raipur, India ,Vol- 6(2), P.No.- 85-87, ISSN NO.- 0975-6795. [1]

JS Prajapati

1. Verma, K.L. & Prajapati, J.S. (2014). Bhawani Prasad Mishra : Shram sadhak ka Sahaj Kavya Pravah. **Bhasha**, Kandriya Hindi Nideshalya, Govt. of India, Ramkrishnpuram, New Delhi , India. Ank November- December 2014 page 50-58, ISSN No.0523-1418. [1]
2. Prajapati, J.S. (2014). Nagarjun ke Kavya ka Kendriya Bindu. **The Discourse**, Jamshedpur, Jharkhand, India Volume 3, Issue 1 January-March 2014, Page 101-106 ISSN No.2278-0920. [1]
3. Verma, k.l. & Prajapati, J.S. (2012). Meera ki Bhakti : Antar drishti aur Bidroh. **Bhasha**, Kandriya Hindi Nideshalya, Govt. of India, Ramkrishnpuram, New Delhi , India. Ank July – august 2012, page 68-77, ISSN No.0523-1418. [1]
4. Prajapati, J.S. (2012). Swatantrayottar Hindi Sahityakaron ki yek Drishti : Gram Chetna ki Oor. **Humanities and Social Sciences** RJPT House, Lokmanya Grih Nirman Society, Rohnipuram Sector-1 pt. DDU Nagar, Raipur, (C.G.), India vol. 3, Issue 2, April-June 2012, page 71-74, ISSN No.0975-6795. [1]
5. Prajapati, J.S. (2011). Janwadi Kathawastu aur Markande. **Humanities and Social Sciences** RJPT House, Lokmanya Grih Nirman Society, Rohnipuram Sector-1 pt. DDU Nagar ,Raipur, (C.G.), India vol. 2, Issue 4, Oct-Dec, page 209-211, ISSN No.0975-6795. [1]
6. Prajapati, J.S. & Bara, M.L. (2011). Asadhyavina : Rahasya aur Nirvyaktikta. **Lab To Land**, Chhattisgarh Medico Informatics Society, Raipur, (C.G.), India vol.3, No. 10,

- Page 320-325.ISSN No.0975-282x.[1]
7. Prajapati, J.S. (2011). Shamsheer ke Kavya me Abhivyakti Jijivisha. **Lab To Land**, Chhattisgarh Medico Informatics Society, Raipur, (C.G.), India vol.3, No. 11, Page 476-483.ISSN No.0975-282x.[1]
 8. Prajapati, J.S. (2011). Kamayani ki Shraddha : Bhartiya Sandarbh me. **Shodh Prakalp**, Vaibhav Prakasan, Aminpara Chowk, Purani Basti, Raipur (C.G.),India ank-55,Page 94-98.ISSN No.097-6459.[1]
 9. Prajapati, J.S. (2011). Markande ke katha sahitya men markswadi drishtikon. **Shodh Prakalp**, vaibhav prakasan, aminpara chowk, puranibasti, raipur(C.G.),India ank- Oct-Dec,Page 91-94.ISSN No.097-6459.[1]
 10. Tiwari, R.& Prajapati, J.S. (2011). Markande Kei Kahanion me GraminYatharth. **Shodh Upkram**. Chhattisgarh Shodh Sansthan Raipur (C.G.), India ank-32. page 26-28 ISSN No.0976-7894.[1]
 11. Prajapati, J.S. (2011). Bhakti Andolan Avam Hindi Sahitya per Uska Prabhaw. **Mats University Journal**, Published by Registrar Mats University, Raipur (C.G.),India Volume 1, issue 2 December 2012,Page 181-185 ISSN No.2250-3889.[1]

Other Publications of Faculty

KL Verma

Book Chapter

1. Verma, K.L. & Prajapati, J.S. (2012). Ajney ke Kavya mein Mukti ke Sopan , in **Ajney : Chintan Avam Srijan**. Portblair: Hindi Sahitya Kala Parishad, ISBN No.81-86265-11-2.[1]
2. Verma, K.L. & Prajapati, J.S. (2012). Nagarjun ke Kavya Mein Janbodh, in **Nagarjun : Lok Sanvedna ke Yatharth Sarjak**. Portblair: Hindi Sahitya Kala Parishad,ISBN No.81-86265-10-4.[1]

VN Dubey

Book Chapter

1. Dubey, V.N. (2013). Chhattisgarhi ka Man ki karan Ek Badi Uplabdh Hogi. **Chhattisgarh Shakshatkar**, Raipur, India, P.No.- 30-32.[1]

S Sharma

Book Chapter

1. Sharma, S. (2013). Chhattisgarhi Bhasha ke Manki karan. **Chhattisgarhi mankikaran**. Literature and Languages, Pt.R.S.U., Raipur, P.No.29-32.[1]
2. Sharma, S. (2012). Anashta Par Astha ke Kavi: Kedranath Agrawal. **Jankavi Kedarnath Agrawal ki Saundary avam Samashti Drishti**, Indra Kala Sangit Vishwavidyalaya, Khairagarh, P.No.174-176, ISBN No- 978-81-91-0545-4-5.[1]
3. Sharma, S. (2012). Aachray Dwivedi Krit Hindi Sahitya ki Bhumika Sanskriti ki vimarshka Vishesh Pariprekshy. **AachrayHajari Prasad Dwivedi ke Sahitya mein Sanskritik Vimarsh**, Indra Kala Sangit Vishwavidyalaya, Khairagarh, P.No.116-125, ISBN No- 978-81-91-0545-3-8.[1]

ML Bara

Book Chapter

1. Bara, M.L. (2012). Nagarjun ke Hindi Upanyaso mein Samajik Samvedna. **Nagarjun ka Rachna Sansar aur Sanskritik Sarokar**, Indra Kala Sangit Vishwavidyalaya, Khairagarh, P.No.110-119, ISBN No- 978-81-91-0545-8-3.[1]
2. Bara, M.L. (2012). Jan kavi Kedarnath aAgrawal ki Kavita mein Saundary Drishti. **Jan kavi Kedarnath Agrawal ki Saundaryavam Samisht Drishti**, Indra Kala Sangit Vishwavidyalaya, Khairagarh,P.No. 63-70 , ISBN No.978-910545-4-5.[1]

Guest Faculty

JS Prajapati

Book Chapter

1. Prajapati, J. S. (2014). Aathvin Anusuchi me Hindi aur Annye Bhashayen. **Sharshwati** Arunkirti Publications, Amlapuram, Andhra Pradesh, page 29, ISBN No.978-81-921270-1-9.[1]

2. Prajapati, J. S. (2014). **Vaishwikaran ka daur : Badalte Kahani Sandarbh.** B.K. Literature Publisher, Kolkata, West Bengal, page 149-151, ISBN No.978-81-921414-7-3. [1]
 3. Prajapati, J. S. (2012). **Shram ka Saundraya Shashtra aur Kedarnath Agraawal ka Kavya.** Indira kala sangit Viswavidyalaya, Khairagarh, Chhattisgarh, page 52-57, ISBN No.978-910545-4-5. [1]
 3. Verma, K.L. & Prajapati, J.S. (2012). Ajney ke Kavya mein Mukti ke Sopan , in **Ajney : Chintan Avam Srijan.** Portblair: Hindi Sahitya Kala Parishad, ISBN No.81-86265-11-2. [1]
 4. Verma, K.L. & Prajapati, J.S. (2012). Nagarjun ke Kavya Mein Janbodh, in **Nagarjun : Lok Sanvedna ke Yatharth Sarjak.** Portblair: Hindi Sahitya Kala Parishad, ISBN No.81-86265-10-4. [1]
23. Details of patents and income generated
None
24. Areas of consultancy and income generated
None
25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad
Nil
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) Any other (please specify)

KL Verma

National committees

- Member Grant- In-Aid Committee, CIIL, Mysore (Ministry of Human Resource Development, Govt. of India, New Delhi).
- Member, Hindi Advisory Committee, Ministry of Mines, Govt. of India, New Delhi.
- Member, Hindi Advisory Committee, Ministry of Steel, Govt. of India, New Delhi.
- Member, Executive Committee, Linguistic Society of India, Pune
- Member, Airport Authority of India, Raipur. (2010-2013)
- Member, Expert Committee : Central Hindi Directorate, MHRD, New Delhi (2010) (Devnagari Lipi Tatha Hindi Vartani Ka MANKIKARAN)
- Staff Selection Commission (M.P.R.), India (2012)

Editorial Boards

- Bi-monthly Journal *BHASHA* (since 2013)
- Quarterly Journal *Vigyan Garima Sindhu* (since 2013)
- Quarterly Journal *Gyan Garima Sindhu* (since 2013)
- Chairman, Board of Studies in Linguistics (2010)
- Member, Indian Linguistics Journal of Linguistics Society of India

VN Dubey

National committees

- Nagri Lipi Parishad, New Delhi, (2002-2014)
- Nagari Lipi Parishad ka Karykarni Member, New Delhi (2002-2014)
- Nagri Lipi Parishad ki Patrika Nagari Sangamka editor Member, New Delhi, (2002-2014)
- Bhartiya Bhasha Sammelan, New Delhi
- Nagari Lipi Parishad ka aajeevan Member, New Delhi
- Hindi Sahitya Sammelan, Prayag, Nagri Lipi Parishad Chhattisgarh
- Secretary, National Old hermitage New Delhi
- Staff Selection Commission (M.P.R.), India (2012)

b) Editorial Boards

- Editor in Chief; University Journal, Pt. R.S.U. Raipur (C.G.) (2010-Till a Day)
- Member, Board of Studies in Linguistics (2010)
- Chairman, Board of Studies in Linguistics (2010)

S Sharma**a) National committees**

- PSC Chhattisgarh
- Airport Authority of India, Raipur
- Staff Selection Commission (M.P.R.), India(2012)

b) Editorial Boards

- Member, Board of Studies in Linguistics, Pt.RSU, (2010)
- Member, CWS, Pt.RSU, Raipur (2010-Til a Day)
- Chairman, Board of Studies in Linguistics (2014)
- Quarterly Journal *Rashtrasetu*(since 2014)

ML Bara**c) National committees**

- PSC Chhattisgarh

d) Editorial Boards

- Member, Board of Studies in Hindi, Pt.SS(O) U, (2015)
- Member, CWS, Pt.RSU, Raipur (2010-Til a Day)

b) Any other: Faculty Serving in Committees in PRSU

Faculty	Position
KLVerma	<ul style="list-style-type: none"> • Member of Convocation Committee (2010) • OSD (Gen. Admn.) Pt. R.S.U, Raipur (2010-2013) • Administrative Officer, Pt. R.S.U., Raipur • Public Relation Officer, Pt. R.S.U., Raipur Coordinator, UGC Coaching, Pt. R.S.U., Raipur • Dean Students' Welfare, Pt. R.S.U. Raipur • Dean, Faculty of Art's, Pt. R.S.U, Raipur
VNDubey	<ul style="list-style-type: none"> • Dean, Art's Faculty (2011-2013) • Board of Studies • EC Member (2013) • State Govt. Chhattisgarhi Syllabus Committee (2013) • Co-ordinator, Revaluation Center, Pt. R.S.U. Raipur • Sup. Sem Exam • Co-ordinator, IGNOU Center, Pt.R.S.U Raipur.
S Sharma	<ul style="list-style-type: none"> • Chairman, Staff Council Committee • Chairman, Ragging Committee • Exam Co-ordinator Pt.RSU. Raipur • Member Regional Youth Festival • Member of Convocation Committee (2011- Till a Day) • Member NAAC Committee • Member University Youth Festival • Member Higher Education Youth Festival • Member Board of Studies in Hindi • Member of PSC in Chhattisgarh • VC Nominee
MLBara	<ul style="list-style-type: none"> • Flying Scott • Member NAAC Committee • Member Regional Youth Festival • Member Ragging Committee • Member Rajyotsav Committee • Member University Youth Festival • Member Higher Education Youth Festival • Exam Co-Cordinator

	<ul style="list-style-type: none"> • Member Staff Council Committee • Member Board of Studies in Hindi • Member of PSC in Chhattisgarh • VC Nominee
--	---

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program organized

Faculty	Name of the Program	Date & Year
VN Dubey	Refresher Course	06.01.2011 – 26.01.2011
	Refresher Course	04.11-2011 – 24.11.2011
S Sharma	Refresher Course	04.11.2011 – 24.11.2011
	Refresher Course	02.07.2014 – 22.07.2014

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
ML Bara	Refresher Course	04.11.2011 – 24.11.2011
	Workshops	20.09.2013 – 26.09.2013
	Refresher Course	02.07-2014 – 22.07.2014

28. **Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects
- Percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil.: 100% in-house project

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post-doctoral fellows
- Students

Faculty

VN Dubey

National

- Utkrisht Pradhyapak Samman, International Conference Tamilnadu Hindi Sahitya Academy, Chennai, Jan 12, 2014
- Chinhari Samman, Sahitya Sansthan, Durg May 10, 2014.

Doctoral fellows (RJNF Fellowship)2010-2015

1. Vinod Kumar (Ph.D.Linguistics): Rajiv Gandhi National Fellowship,2011
2. Rajkumar Tandon (Ph.D.Linguistics): Rajiv Gandhi National Fellowship,2012
3. Sarita Bhagat (Ph.D.Hindi) : Rajiv Gandhi National Fellowship, 2012
4. Kumudini Dhritlahare (Ph.D.Hindi) : Rajiv Gandhi National Fellowship, 2013
5. Tijeshwar Tandon (Ph.D.Hindi) : Rajiv Gandhi National Fellowship, 2014

Doctoral fellows (Pt. RSU Research Fellowship)

1. Vasha Agrawal (Ph.D. Hindi) : Pt. RSU Research Fellowship 2014

M.Phil. fellows (Pt. RSU Research Fellowship)

1. Aditi Pandey: Scholarship, Pt. RSU, Raipur 2015

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. Keynote & 4-5 speakers

International Conferences

	Program	Source of funding	Outstanding participants
Conferences	Chhattisgarhi ka Atit - Bhavishya: Aur Vikas ki Sambhavnaye, December 20-24, 2013	Pt. Ravishankar Shukla University, Raipur	1. Shyamlal Chaturvedi (Bilaspur) 2. M.K. Koul (Delhi) 3. VedPrakash Batuk (America) 4. MadhuDhawan (Chennai) 5. NirmalaShukla (America) 6. PadmshriAnuj Sharma - Raipur

National Conferences

	Program	Source of funding	Outstanding participants
Workshop	Chhattisgarhi ka Mankikaran, September 20-26, 2013	Pt. Ravishankar Shukla University, Raipur	1. MadhuDhawan (Chennai University) 2. Naresh Mishra (Rohtak University) 3. Padmshri Surendra Dubey – Raipur 4. Padmshri Mahadev Pandey- Raipur

State Conferences

	Organized Program	Source of funding	Outstanding participants
Conference	8 th Chhattisgarh Young Scientists Congress February 27-28, 2010	Jointly by CCOST & Pt. R.S.U.	A. Sharma R.K. Thakur

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected(at entry level: 1 st semester)		Pass percentage(Total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
M.A. Linguistics					
2010	2	0	1	-	-
2011	5	0	2	-	-
2012	9	2	1	-	100
2013	4	0	2	40	60
2014	3	0	3	50	50
2015	7	1	3	-	100
M.A. English					
2010	45	11	18	44.11	20.50
2011	44	11	11	26.08	58.69
2012	27	12	15	32.60	45.65
2013	48	14	13	33	46

2014	48	14	16	31	62
2015	45	14	15	33.33	38
M.A. Hindi					
2010	3	0	3	25	75
2011	8	0	3	-	100
2012	18	2	11	-	100
2013	20	4	9	13	88
2014	13	4	9	17	70
2015	20	3	14	31.80	68
M.A. Chhattisgarhi					
2013	204	58	42	-	-
2014	162	21	19	58	42
2015	114	23	17	53.84	45
M.Phil. Linguistics					
2010	8	2	5	-	-
2011	11	2	1	28.57	57.14
2012	5	0	5	66.60	33.30
2013	7	0	6	-	100
2014	10	2	1	-	100
2015	18	7	3	-	100
M.Phil. English					
2010	29	0	10	-	77.77
2011	29	2	6	-	90
2012	24	2	8	13	75
2013	23	3	6	20	80
2014	35	2	8	-	42.85
2015	34	5	5	20	80
M.Phil. Hindi					
2010	41	3	7	30	70
2011	16	1	9	10	60
2012	23	2	7	10	90
2013	12	4	5	22.22	66.60
2014	41	3	7	37.50	62.50
2015	38	7	3	20	70
Diploma in English					
2010	16	5	8	40	30
2011	21	8	7	20	60
2012	8	3	4	26.66	40
2013	13	7	6	42.85	57.14
2014	23	8	13	66.66	22.22
2015	17	7	6	36.84	52.63
Diploma in French					
2010	28	12	10	33.33	50
2011	12	1	6	18.18	54.54
2012	13	4	7	14.28	42.85
2013	15	7	1	36.36	63.63
2014	22	10	8	20	20
2015	13	7	5	15.38	46.15
Certificate in Translation					
2010	3	1	2	30	40
2011	8	4	4		
2012	10	6	2	33.33	33.33
2013	14	7	5	71.40	28.57
2014	18	6	9	60	40
2015	27	10	11	44.44	55.55
Ph.D. Course Work Linguistics					

2012	4	2	2		
2013	-	-	-	-	-
2014	8	3	3		
Ph.D. Course Work Hindi					
2012	2	-	2		
2013	8	2	6		
2014	4	1	3		
2015	4	1	3		
Ph.D. Linguistics					
2010	-	3	2		
2011	-	4	0		
2012	-	-	-		
2013	1	0	0		
2014	-	-	-		
2015	5	0	0		
Ph.D. English					
2012	100	0	1		
2013	76				
2014	70	0	1		
2015	89				
Ph.D. Hindi					
2012	183	0	9		
2013	132	3	5		
2014	149	1	4		
2015	179	0	0		

33. Diversity of students To be filled with data from the department

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.A. Linguistics	2015-16	100	-	-	-
M.A. English	2015-16	79.31	20.68	-	-
M.A. Hindi	2015-16	94.11	-	3.44	
M.A. Chhattisgarhi	2015-16	77.5	17.5	5	-
M.Phil. Linguistics	2015-16	100	-	-	-
M.Phil. English	2015-16	80	20	-	-
M.Phil. Hindi	2015-16	80	20	-	-
Diploma in English	2015-16	84.61	7.6	7.6	-
Diploma in French	2015-16	58.33	33.33	8.3	-
Certificate in Translation	2015-16	90.47	-	9.5	-
M.A. Linguistics	2014-15	66.66	33.33	-	-
M.A. English	2014-15	83.33	10	6.6	-
M.A. Hindi	2014-	84.61	15.3	-	-

	15				
M.A. Chhattisgarhi	2014-15	70	30	-	-
M.Phil. Linguistics	2014-15	100	-	-	-
M.Phil. English	2014-15	90	-	10	-
M.Phil. Hindi	2014-15	80	20	-	-
Diploma in English	2014-15	71.42	19.04	9.5	-
Diploma in French	2014-15	66.66	16.6	16.6	-
Certificate in Translation	2014-15	93.33	6.66	-	-
M.A. Linguistics	2013-14	100	-	-	-
M.A. English	2013-14	77.77	14.81	7.4	-
M.A. Hindi	2013-14	76.92	15.38	7.6	-
M.A. Chhattisgarhi	2013-14	65	35	-	-
M.Phil. Linguistics	2013-14	66.66	33.33	-	-
M.Phil. English	2013-14	77.77	11.11	11.11	-
M.Phil. Hindi	2013-14	100	-	-	-
Diploma in English	2013-14	69.23	23.07	7.69	-
Diploma in French	2013-14	50	37.5	12.5	-
Certificate in Translation	2013-14	92.30	7.6	-	-
M.A. Linguistics	2012-13	100	-	-	-
M.A. English	2012-13	73.33	6.6	20	-
M.A. Hindi	2012-13	87.5	-	12.5	-
M.A. Chhattisgarhi	2012-13	-	-	-	-
M.Phil. Linguistics	2012-13	85.71	-	14.28	-
M.Phil. English	2012-13	90	-	10	-
M.Phil. Hindi	2012-13	88.88	11.11	-	-
Diploma in English	2012-13	100	-	-	-
Diploma in French	2012-13	100	-	-	-
Certificate in Translation	2012-13	100	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Jeevanlal Gayakvad	NET	2010	OBC
2.	Sushrut Trivedi	NET-JRF	2012	GEN
3.	Vijay Prakash Sahu	NET	2012	OBC
4.	Girdhari Lal Lodhi	NET	2012	OBC
5.	Bhupendra Pandey	NET	2013	GEN
6.	Sarita Bhagat	SET	2014	ST
7.	Varsha Agrawal	SET	2014	GEN
8.	Varsha	SET	2014	SC
9.	Bharat Lal Devangan	SET	2014	OBC
10.	Madhubala Kasar	SET	2014	OBC
11.	Rajendra Bharadwaj	SET	2014	SC
12.	Tijeshwar Tandan	SET	2014	SC
13.	Bhupendra Pandey	SET	2014	Gen
14.	Dwanad Borker	CG PSC (Assistant Professor-Hindi)	2012	SC
15.	Arti Dhuru	CG PSC (Assistant Professor-Hindi)	2012	SC
16.	Vijay Praka Sahu	CG PSC (Assistant Professor-Hindi)		OBC
17.	Yaswant Kumar Sao	CG PSC (Assistant Professor-Hindi)	2012	OBC
18.	Kavita Vaishno	CG PSC (Assistant Professor-Hindi)	2012	OBC
19.	Shashank Gupta	CG PSC (Assistant Professor-English)	2012	OBC
20.	Chandan Soni	CG PSC (Assistant Professor-English)	2012	GEN
21.	Nidhi Mishra	CG PSC (Assistant Professor-English)	2012	GEN
22.	Chandrasah Patet	CG PSC (Assistant Professor-English)	2012	OBC
23.	Fardinan Minj	CG PSC (Assistant Professor-English)	2012	ST
24.	Soumya Ramteke	CG PSC (Assistant Professor-English)	2012	ST

35. Student progression

Student progression	Subject	Percentage against enrolled				
		2010-11	2011-12	2012-13	2013-14	2014-15
UG to PG		-	-	-	-	-
PG to M.Phil.	Lingui.	-	30	10	20	10
	English	20	-	20	-	-
	Hindi	3	30	1	-	20
PG to Ph.D.	Lingui.	33.33	-	-	-	33.33
	English	-	-	-	-	-
	Hindi	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-	
Employed	-	-	-	-	-	
Campus selection	-	-	-	-	-	
Other than campus recruitment	-	-	-	-	10	-

Entrepreneurs		-	-	-	-	-
---------------	--	---	---	---	---	---

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	81 %
from other universities within the State	5 %
from universities from other States	14 %

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 % and departmental campus is WiFi
b) Total number of class rooms	5
c) Class rooms with ICT facility	1
d) Students' laboratories	1
e) Research laboratories with ICT facility	1

39. List of doctoral, post-doctoral students and Research Associates

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of registration	Subject
1.	Bhalchandra Santosh Rao	KL Verma	2010	Linguistics
2.	Vinod Kumar		2010	Linguistics
3.	Jaimangal Patel		2011	Linguistics
4.	Kusum Kumar Verma		2011	Linguistics
5.	Rajkumar Tandon	VN Dubey	2011	Linguistics
6.	Rakesh Kumar Sahu		2011	Linguistics
7.	Durgawati Sharma	S Sharma	2010	Linguistics
8.	Sunayana Brajpuria	ML Bara	2012	Hindi
9.	Varsha Agrawal		2012	Hindi
10.	Sarita Bhagat		2012	Hindi
11.	Satyabhama		2012	Hindi
12.	Kumudini Dhrithlahare		2012	Hindi
13.	Versha Bansode		2013	Hindi
14.	Pushpa Kujur	A Shrivastav VN Dubey	2012	Hindi
15	Bharti Chandrakar	A Shrivastav VN Dubey	2012	Hindi
16	Archana Sharma	A Surana ML Bara	2012	Hindi
17	Suprana Shrivastava	D Tiwari ML Bara	2012	Hindi
16	Tijeshwar Prasad Tandon	B Pandey S Sharma	2013	Hindi
17	Seema Chandrakar	B Pandey S Sharma	2013	Hindi
18	Eravat Bhusan Parganiha	B Pandey S Sharma	2013	Hindi
19	Shaily Ojha	B Pandey S Sharma	2013	Hindi
20	Durga Dadsena	J Pandey ML Bara	2013	Hindi
21	Rajendra Bhardwaj	V Kumar ML Bara	2013	Hindi

22	Sandhya Pujari	S Saksena MI Bara	2013	Hindi
----	----------------	----------------------	------	-------

Ph.D. Degree Awarded

1.	Shrikant Mohanti	VN Dubey	2014	Linguistics
2.	Maya Nair	S Sharma	2015	Linguistics

a) from the host institution/university	Doctoral Students: 21
b) from other institutions/universities	NIL

40. Number of post graduate students getting financial assistance from the university.
Nil; however, ST, SC and OBC students get financial assistance from the State Government
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
- As per university procedure and norms
42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes. The feedback is analysed and suitable actions are taken for improvement on the basis of suggestions made by the students.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty. Yes. The feedback is analysed and suitable actions are taken for improvement on the basis of suggestions made by the students.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? <ul style="list-style-type: none"> Through teacher parent meet Through Alumni meet Through inventories (Former Faculty) Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	Ramesh Nayyar	M.A. Linguistics	1967	Director, Chhattisgarh Hindi Granth Academy, Raipur (C.G.)
2.	ASJhadgaonkar	D.Lit. Linguistics	1994	Vice- Chancellor, C.V. Raman University, Bilaspur (C.G.)
3.	CR Kar	D.Lit. Linguistics	1992	Dean Art Faculty, Central University of Koraput (Odissa)
4.	KLVerma	Ph.D. Linguistics	1985	Chairman, Commission for Scientific & Technical Terminology, New Delhi
5.	Vinay Kumar Pathak	D.Lit. Linguistics	1985	Govt. Girls Degree, Bilaspur (Retd. Professor)
6.	Renu Yadav	Ph.D. English	2011	Cape ten, Indian Army
7.	Rajesh Dubey	Ph.D. Hindi	1999	Principal, Govt. Sant Gahiraguru Rameshwar College Lailunga, Raigarh (C.G.)
8.	Shreeram Parihar	D.Litt. Hindi	2010	Principal, Govt. College, Khandwa, (M.P.)
9.	Pravin Sharma	M.A. Linguistics	1980	Librarian, Govt. Science College, Raipur (C.G.)

10.	Toynidhi Vaishnav	Ph.D. Sanskrit	1984	Assistant Professor, Govt. Sanskrit College, Raipur (C.G.)
-----	-------------------	----------------	------	--

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
Rastrabhasha ke Samvardhan me Nagrilipi ka yogdan	2011	<ul style="list-style-type: none"> Prof. Rajendra Mishra ShriBadridharDiwan Padmshri Dr. Mahadev Prasad Pandey
Vartmansamay me sahitya ki bhumika	2011	<ul style="list-style-type: none"> Prof. VishwanathTripathi, New Delhi
Bhartiya Bhashao ki samparklipi Devnagari	2012	<ul style="list-style-type: none"> Swami ShriSatyarupanand, Raipur Shri Ramesh Nair, Raipur
Rajbhasha Chhattisgarhi	2013	<ul style="list-style-type: none"> ShriDaneshwar Sharma, Raipur Padmshri Dr. SurendraDubey, Raipur
Chhattisgarhi ka Mankikaran (Workshop National)	2013	<ul style="list-style-type: none"> Prof. MadhuDhawan, Chennai Prof. Naresh Mishra, New Delhi
Chhattisgarhi ka Atit- Bhavishya: Aur Vikaski Sambhavnaye (International Seminar)	2013	<ul style="list-style-type: none"> Prof. VedPrakashBatuk, New Delhi Mrs. NirmalaShukla
Rajbhasha Chhattisgarhi	2014	<ul style="list-style-type: none"> Dr. Mandvi Singh, VC, Khairagarh Dr. SatyabhamaAdil Dr. AnupRanjanPandey

Invited lectures 2010-2015:

Invited Speaker	Year
Naresh Mishra , New Delhi	2013
HeeralalShukla, Bhopal	2013
UshaDubey , Jabalpur	2013
LalitSurjan, Raipur	2013
PryagShukla, New Delhi	2013
Rajendra Mishra, Raipur	2013
PrabhaPandey, Karnataka	2014
K.G. Shrivastava, Allahabad	2014
ShashiprabhaPandey, Gwalior	2014
K.N. Goshwami, Bhopal	2015
SatyaketuSaankrit, Delhi	2015
AwadeshkumarShukla , Bhopal	2015

45. List the teaching methods adopted by the faculty for different programs.
- Class Room Teaching
 - Class room discussion
 - Unit test
 - Continuous Assessment
 - Oral presentation, Mini Seminar, Tutorial By Students
 - Interactive method: Seminars/ Class presentations and Group discussions
 - The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?
- Through staff council
 - Assessment of results/ Internal Assessment
47. Highlight the participation of students and faculty in extension activities.
- Poem recitation and poem Composition
 - Play (theatre)
 - Cleanliness drive
 - Plantation
 - Hindi Diwas and Saptah

Description	Date	Beneficiary
Hindi SahityaMahotsav (Organised PurkhautiMuktangan)	12-14 December 2014	Public in general and students in particular
Effective Communication workshop in English (Organised Rajkumar College)	One Day 2014-15	Fifty Students and Staff of SoS in Lit. & Lang. (English)
Chhattisgarhi JanjagaranAbhiyan (Organized in various)	2014-15	Student Participaint

48. Give details of 'beyond syllabus scholarly activities ' of the department.
- Quiz Competition, Essay Competition, Extempore & Speech Competitions
 - Visit to Library And museum
 - Workshop on Communication Skills.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- No
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- I. Special Classes on Grammar & Literature by Faculty on Saturdays.
 - Workshop
 - Lectures by expert
 - Seminar
 - Educational tour and filed work
 - II. Research Paper
 - Collecting data
 - Organising the study material systematically
 - Discussing the various possibilities in a particular field
 - Providing the latest research field
 - Helping the students to understand the global research and development in the field of literature and language
 - Motivating the students to attend and present quality papers in various national and international seminars and conferences.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
- Offers Multi lingual programs in Hindi, English, Chhattisgarhi, French & Russian
 - The first department to offer PG program in Chhattisgarhi language
 - State-of-the-art language lab
- Weaknesses**
- Inadequate manpower and infrastructure
 - Mobilization of funding for research
- Opportunities**
- Scope to popularize Chhattisgarhi language
 - Effective research in linguistics, dialects, and strengthening of translation activities
- Challenges**
- Effective use of language lab for students of other departments
 - Publication in quality research journals
 - ICT enabled teaching-learning
52. Future plans of the department.
- Special bridge courses for slow learners
 - Strengthening of research in Regional and Tribal Languages

Evaluative Report of the Department

1. Name of the Department: Institute of Management
2. Year of establishment: 1993
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Management)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	MBA	PG	Management	1993
2.	M.Phil. Management	Research	Management	2004
3.	Ph.D. Management	Research	Management	2004
4.	MBA (Travel & Tourism Management)	PG	Travel & Tourism Management	2015

5. Interdisciplinary programs and departments involved
 - Quality improvement program for Commerce and Economics departments
 - Ph.D. entrance for Commerce department
 - M.Phil. entrance for Commerce department
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - MBA semester system since Inception
 - Choice Based Credit System since 2014-15
9. Participation of the department in the courses offered by other departments
No
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor	2	1	0
Assistant Professor	4	4	4
Contract Teachers	-	-	-
Guest Teachers	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. of Ph D./ M Phil. students guided in the last 5 years	
					Ph.D.	M Phil.
RP Das	Ph D.	Professor	Human Resource Management	27	3(4)*	2
AK Srivastava	Ph D.	Professor	General Management & Marketing Management	20	4(4)	3
GK Deshmukh	Ph D.	Assistant Professor	Marketing Management & General Management	12	(4)	3
S Joseph	Ph D.	Assistant	Marketing Management	12	(3)	3

		Professor	& Financial Management			
SK Indurkar	MBA	Assistant Professor	Marketing Management & Financial Management	11	-	-
M Sahu	MBA	Assistant Professor	Human Resource Management & Finance	03	-	-
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Prof. R S Dwivedi, Prof. A Bhattacharya, Prof. A K Mohanty, Prof. A K Dasmahapatra

13. Percentage of classes taken by temporary faculty – program-wise information

Session	MBA
2010-2011	Nil
2011-2012	Nil
2012-2013	Nil
2013-2014	Nil
2014-2015	Nil
2015-2016	Nil

14. Program-wise Student Teacher Ratio

Session	PG Program	M.Phil.
	MBA	Management
2010-2011	24:1	1:1
2011-2012	24:1	1.5:1
2012-2013	15.3:1	2.25:1
2013-2014	14.3:1	-
2014-2015	18.3:1	-
2015-2016	19.3:1	-

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	1	1	1
Administrative Staff	3	3	4

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

No

20. Research facility/ centre with:

a) State recognition	Nil
b) National recognition	Nil
c) International recognition	Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
○ Number of papers published in peer reviewed journals (national / international)	26	23	10/ faculty
○ Monographs	00		
○ Chapters in Books	33		
○ Edited Books	00		
○ Books with ISBN with details of publishers	00		
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Google Scholar		
	40		
○ h-index [Google Scholar]	Faculty		Google Scholar
	GK Deshmukh		01
	S Joseph		02

Publications of Faculty**RP Das**

1. Das, R.P., and Naeem, S.S., Towards Achieving Inclusive Growth Through Social Responsibility., *Journal of Innovative Professional Science and IT (JIPSIT)*, Volume-2, Issue-1, Pg. no. 01-08 ISSN no. 2348-6619. **2015**
2. Das, R.P., and Sahu, T.L., Human Resource Issues and Challenges In Indian Banking Sector, *Journal of Innovative Professional Science and IT (JIPSIT)*, Volume-2, Issue-1, Pg. no. 52-59 ISSN no. 2348-6619. **2015**.
3. Das, R.P., and Sahu, T.L., Relationship between Demographic Variables and Emotional Intelligence among Bank Employees-A Study, *Asian Journal of Management*, Volume 05 Issue 2, ISSN 0976-495X. **2014**.
4. Das,R.P., and Sahu,T.L., Impact of Emotional Intelligence of Bank Employees on Customer Satisfaction-An Empirical Study, *FMU Journal of Management*, Volume 02, Issue I, ISSN no.2380-8899. **2014**.
5. Das,R.P., and Sahu,T.L., Relationship Between Age and Emotional Intelligence of Bank Employees-An Empirical Study, *Sumedha Journal of Management*, Fourth Issue Oct-Dec, ISSN no. 2277-6753. **2014**
6. Das,R.P., and Sahu,T.L., Towards Managing Customer Relationship through Emotional Intelligence, *MATS Journal of Management and Commerce*, Pg. no. 01-06, ISSN no.2348- 7879, **2014**.
7. Das, R. P. Recruitment and Selection of Teaching Staff in Indian Universities: A need to be Revisited *University News, A Weekly Journal of Higher Education*, Vol 51 No: 48, ISSN 0566-2257, Dec 02-08 2013
8. Das, R P. & Deshmukh G. K. Consumer Buying Behaviour for High Involvement Products- A Study, *Asian Journal Of Management*, Vol 03, Issue 03 ISSN-0976-495X, , July – Sept 2012
9. Das,R.P.and Das,S.M and Manna,L.(2012)Villagers’ Perception Towards MG NREGA:A Case Study, *Journal of Tourism and Hospitality(An International Research Journal on Tourism and Hospitality)*, Vol.1(1)Jan-June, PP.126-132.ISSN 2250-0626, 2012
10. Joseph,S, Das, R. P. and Amarendra Kumar, Empowering Women Through Corporate Social Responsibility, *Journal Of Gender Equality and Sensibility*, 6:1.1,PP.1-10.

2011,ISSN

11. Das, R P and Banarjee, S. OD Interventions For Voluntary Organisations (.Need of the Hour) **Management Vistas**,Vol.111(Part II) PP.1-4, July-Dec.2010,ISSN
12. Das,R.P.,Desmukh,G. and Joseph,S. Protection of Geographical Indications: A Necessity, **Journal of Pt. R. S. University**, (Art, Humanities and Social Sciences,Vol.8-15,16-19,2010,ISSN

Chapters in Books

1. Das,R.P.,Das,S.M. and Manna,L.ESOP –HR Strategy to retain People in Indian Organisations, In Pandey,A.(Ed)**Emerging Trends and Challenges in Management**, Excel India Publishers, New Delhi,PP.155-162,ISBN 978-93-82062-09-7 ,2012.
2. Deshmukh,G.K, Joseph,S and Das,R.P,Reality of Societal Marketing: Some Indian Perspective, Pandey,A.(Ed)**Emerging Trends and Challenges in Management**, Excel India Publishers, New Delhi,PP.216-220, ,ISBN 978-93-82062-09-7. 2012
3. Das,R.P. and Syeda,S.N. Corporate Social Responsibility Vs Voluntary Retirement-A Hypocisy(Full Paper published in the proceedings of the National Conference on Industry Institute Interaction For Emerging Technologies, Organised by SSITM, PP.10-14, March,2011 with Isbn no..93-80697856.

AK Srivastava

1. Paper entitled “ Product Mix Components as the Predictors of Repurchase Intention: A Study on Habitual Buying Behaviour for Beverages” by dr. Ashish Kumar Shrivastava and Saket Ranjan Praveer published in Reviewed journal named **BHU Management Review** in Vol-1, Issue-2,2010 published by FMS , BHU , Varanasi (UP) ISSN 81-85305-33-1
2. Paper entitled “Decision variables of Purchase intention: A Multivariate Analysis of Promotional Tools” published in **Asian Journal of Management** by Ashish kr Srivastava, Saket Ranjan Praveer & Charu Yadav in Vol.2 Issue 02 April – June 2011 pp 51-56, 0976-495X.
3. Paper entitled “Antecedents of purchase Decision: A Study on Consumer Preference Via Readymade Garments” published in the Referred journal **ARASH-A Journal of ISMDR** by Ashish Kumar Srivastava, Saket Ranjan Praveer & Charu Yadav in Vol.1 No.2 July 2011, ISSN:2231-2072.
4. Paper entitled “Determinants of Quality in Manufacturing “ published in National **Journal Of Technology** by Ashish kr Srivastava & Saket Ranjan Praveer in Vol7 No.3 Sept.2011 ISSN:0973-1334.
5. Paper entitled “Strengthening The Marketing Strategied : A Study On Decision Variables of Buying Pattern” by Ashish kr Srivastava & Saket Ranjan Praveer published in the Reviewed **Journal Of Business Solutions** , Vol4,No1&2, June &Dec 2011.pp 69-73 ISSN : 0974-4126
6. Paper entitled “Impact of Information Technology on In-Store Sales – A Study on Online Advertisement” by Ashish kr Srivastava , Saket Ranjan Praveer and Suresh Chandra Mishra published in the **Asian Journal Of Management**, Vol 4,No3, July-Sept 2013.pp 192-196 ISSN : 0974-495X
7. Paper entitled “Predictors of Socio Economic Development: A Study on Common Patterns” published in the Referred journal **ARASH-A Journal of ISMDR- An International Refereed Research Journal of Management** by, Saket Ranjan Praveer , suresh chanra Mishra and Ashish Kumar Srivastava in Vol.3 No.1&2 January & July 2013, ISSN:2231-2072.
8. Paper entitled “Countering Disruptive Innovation Strategy in Indian Passanger Car Industry” by H. M Jha Bidyarthi, Ashish K Srivastava, P V Bokad, L B Deshmukh and S N Mishra in the **South Asian Journal of Business and Management Cases** Vol 3 Number 2 Dec 2014 ISSN 2277-9779

Chapters in Books

1. Paper entitled “Antecedents of Impulse Buying Behaviour- A Multivariate Analysis” published in the edited book ‘The 21st Century Consumers – A Behavioural Perspective’ by Ashish kr Srivastava, S Ranjan praveer and Saket Jeswani, pp37-51. In 2011 ISBN: 978-81-8220-413-3.

GK Deshmukh

1. Deshmukh, G. K., Joseph, Sanskrity, and Kashyap, Shilpi. Exploring Relationship

- between Emerging Human Resource Practices in Indian Organizations and Employee Retention: A Study. **Asian Journal of Research in Social Sciences and Humanities**, Vol. 5, No. 2, February 2015, PP.80-88, ISSN 2249-7315.
2. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Store Atmospheric: Is AIDA Model Working? **SVIM e Journal of Applied Management** (Biannual Peer Reviewed e Journal), Vol. 2, Issue 2, November 2014, PP. 25-29, ISSN: 2321-2535.
 3. Joseph, Sanskrity, Deshmukh, G. K., Sahu, Susmriti and Soni, Yogesh, What it Takes to be Employer of Choice: A Study, **SVIM e Journal of Applied Management** (Biannual Peer Reviewed e Journal), Vol. 2, Issue 2, November 2014, PP. 44-47, ISSN: 2321-2535.
 4. Deshmukh, G. K. and Banode, Anurodh, Students' Susceptibility to Reference Group Influence on Smartphone in Raipur City, **IFRSA Business Review**, Vol. 4, Iss. 1, March 2014, PP. 68-73, ISSN 2249-5444 & 2249-8168.
 5. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Relationship Mapping Between Work Life Balance and Retention: A Study, **MATS Journal of Management and Commerce**, Vol. 1, 2014, PP.08-18, ISSN 2348-7879.
 6. Deshmukh,G.K, Joseph, S. and Dewangan R. Training Redial : Three Factor Approach, **Researchers World – Journal of Arts, Science & Commerce**, Vol. 4, Iss.1 (1), p.p. 61-65, January 2013. ISSN 2231-4172, E-ISSN 2229-4686.
 7. Deshmukh,G.K, and Loya, I. M. Application of Root Cause Analysis- A Six Sigma Tool- in Daily Life, **Researchers World – Journal of Arts, Science & Commerce**, Vol. 3, Iss.4 (4), p.p. 77-82, October 2012. ISSN 2231-4172.
 8. Deshmukh, G. K. and Das R. P. Consumer Buying Behaviour for High Involvement Products -A Study, **Asian Journal of Management**, Vol. 03, Issue 3, P.P. 154-157, July – September 2012. ISSN 0976495X
 9. Deshmukh, G. K. Talent Management: A Conceptual Framework with Practical Apprc **Asian Journal of Management**, Vol. 03, Issue 1, P.P. 48-50, January – March 2012. I 0976495X.

Chapters in Books

1. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. Employer branding: A Catalyst for Employee Engegement, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi,2015, PP.112-120, ISBN 978-93-84869-07-6.
2. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. HR Outlook towards Employer branding: A Study, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi,2015, PP.182-187, ISBN 978-93-84869-07-6.
3. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. Is Employer Brand Working: A Study of Conceptualizations and its Effectiveness, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi,2015, PP.222-227, ISBN 978-93-84869-07-6.
4. Deshmukh, G. K., Indurkar, S. K, Mobile Number Portability in Indian Perspective, Wagh, Ajay; Bhadouria, Shailendra Singh (Ed.) **Contemporary Issues in Business and Management**, Himalaya Publishing House, New Delhi, 2014, PP.1-7, ISBN 978-93-5202-306-6.
5. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Re-approaching Corporate Social Responsibility for Sustainable Development: A Study, in conference proceedings of Two days **International Conference on Business Paradigms in Emerging Markets -2014 (ICBPEM-2014)**, published by School of Management, NIT, Rourkela, on December 12-13, 2014, ISBN: 978-93-5196-520-6.
6. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Store Atmospheric: Is AIDA Model Working? Shukla, R. K. and Shukla H. (Ed.) **Management Trends And Issues For Sustainable Business Development**, Shri Vaishnav Institute Of Technology & Science, Indore, November 2014, PP. 64-69, ISBN: 978-93-5174-461-0.
7. Joseph, Sanskrity, Deshmukh, G. K., Sahu, Susmriti and Soni, Yogesh, What it Takes to be Employer of Choice: A Study, Shukla, R. K. and Shukla H. (Ed.) **Management Trends And Issues For Sustainable Business Development**, Shri Vaishnav Institute Of Technology & Science, Indore, November 2014, PP. 246-250, ISBN: 978-93-

- 5174-461-0.
8. Deshmukh, G.K, Agrawal, Sunil, A Study on Impact of Social Media in Buying of Mobile with special reference to Mobiles Shops in Raipur City, Patil, D. B., Bhakkad, D. D.(Ed) **Redefining Management Practices and Marketing**, Atharva Publications, Jalgaon, 2014, PP.61-62, ISBN 978-93-82795-85-8.
 9. Deshmukh, G.K, Joseph, S, Das, R. P., Employer Branding: A Symbiotic Exercise, Jain, R., Joshi, A, Chhabra, G.(Ed) **Business Management and Information Technology**, Excel Books, New Delhi, 2013, PP.335-342, ISBN 978-93-5062-253-7.
 10. Das, R. P., Deshmukh, G.K, Joseph, S and Manna, Lao, Online Advertising: A Modern Way to Capture the Customers, Jain, R., Joshi, A, Chhabra, G.(Ed) **Business Management and Information Technology**, Excel Books, New Delhi, 2013, PP.367-376, ISBN 978-93-5062-253-7.
 11. Deshmukh, G.K, Joseph, S and Das, R.P, Reality of Societal Marketing: Some Indian Perspective, Pandey, A.(Ed) **Emerging Trends and Challenges in Management**, Excel India Publishers, New Delhi, 2012, PP.216-219, ISBN 978-93-82062-09-7.
 12. Joseph, S., Deshmukh, G. K. and Indurkar S. K. Sustainable Development Through Corporate Social Responsibility: A Case Study of Monnet Ispat Foundation, International Conference Proceeding, IC- 190, October 7-9, 2011, ISBN: 978-93-5067-872-5

S Joseph

1. Deshmukh, G. K., Joseph, Sanskrity, and Kashyap, Shilpi. Exploring Relationship between Emerging Human Resource Practices in Indian Organizations and Employee Retention: A Study. **Asian Journal of Research in Social Sciences and Humanities**, Vol. 5, No. 2, February 2015, PP.80-88, ISSN 2249-7315.
2. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Store Atmospheric: Is AIDA Model Working? **SVIM e Journal of Applied Management** (Biannual Peer Reviewed e Journal), Vol. 2, Issue 2, November 2014, PP. 25-29, ISSN: 2321-2535.
3. Joseph, Sanskrity, Deshmukh, G. K., Sahu, Susmriti and Soni, Yogesh, What it Takes to be Employer of Choice: A Study, **SVIM e Journal of Applied Management** (Biannual Peer Reviewed e Journal), Vol. 2, Issue 2, November 2014, PP. 44-47, ISSN: 2321-2535.
4. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Relationship Mapping Between Work Life Balance and Retention: A Study, **MATS Journal of Management and Commerce**, Vol. 1, 2014, PP.08-18, ISSN 2348-7879.
5. Joseph, Sanskrity, Sahu Susmriti, Khan, Abrar Uz Zaman Khan, Organisational Attractiveness as a Predictor of Employee Retention, **IOSR Journal of Business Management** Vol 16 Issue 9 Sept 2014.
6. Deshmukh, G.K, Joseph, S. and Dewangan R. Training Redial : Three Factor Approach, **Researchers World – Journal of Arts, Science & Commerce**, Vol. 4, Iss.1 (1), p.p. 61-65, January 2013. ISSN 2231-4172, E-ISSN 2229-4686.
7. Joseph, S. Quality Initiatives in Indian Commercial Banks – Myths and Reality, **New Horizons of Business Thoughts**, January -December 2011, P.P.1 35-140. ISSN: 09756817
8. Joseph, S, Das, R. P. and Amarendra Kumar, Empowering Women Through Corporate Social Responsibility, **Journal Of Gender Equality and Sensibility**, 6:1.1, PP.1-10. 2011, ISSN
9. Joseph, S. Need versus Created Need– A Case Study on Motivational Books, **Asian Journal Of Management**, Vol. 2(4), Oct. – Dec. 2011, PP. 159-161. ISSN: 0976-495X.
10. Joseph, S. Service Quality of Public Sector Banks - A Study, **Asian Journal Of Management**, Vol. 2(4), Oct. – Dec. 2011, PP. 159-161. ISSN: 0976-495X.
11. Joseph, S. SERVQUAL as an Interpreter of Quality – A Study, **Shod Prakalp**, October-December 2011, P.P. 36-38. ISSN: 0976459.
12. Joseph, S. Customer Engagement Practices of Insurance Companies – A Study in Raipur City, **Asian Journal Of Management**, Vol. 2(3), July – Sept. 2011, PP. 138-140. ISSN: 0976-495X.
13. Joseph, S. E- governance: Harbinger of the New Indian Age, **Educational Waves**, Vol 2 (3), July- Sept. 2011. PP. 26-30. ISSN: 0975-8771.

Chapters in Books

1. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. Employer branding: A

- Catalyst for Employee Engagement, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi, 2015, PP.112-120, ISBN 978-93-84869-07-6.
2. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. HR Outlook towards Employer branding: A Study, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi, 2015, PP.182-187, ISBN 978-93-84869-07-6.
 3. Deshmukh, G. K., Joseph, Sanskrity, and Sahu, Susmriti. Is Employer Brand Working: A Study of Conceptualizations and its Effectiveness, Shah, Reena; Muncherji, Nina and Sinha, Anamika (Ed.) **Innovative Processes for Transforming HR for Enhanced Organizational Capability**, Excel India Publishers, New Delhi, 2015, PP.222-227, ISBN 978-93-84869-07-6.
 4. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Re-approaching Corporate Social Responsibility for Sustainable Development: A Study, in conference proceedings of Two days **International Conference on Business Paradigms in Emerging Markets -2014 (ICBPEM-2014)**, published by School of Management, NIT, Rourkela, on December 12-13, 2014, ISBN: 978-93-5196-520-6.
 5. Deshmukh, G. K., Joseph, Sanskrity, and Soni, Yogesh, Store Atmospheric: Is AIDA Model Working? Shukla, R. K. and Shukla H. (Ed.) **Management Trends And Issues For Sustainable Business Development**, Shri Vaishnav Institute Of Technology & Science, Indore, November 2014, PP. 64-69, ISBN: 978-93-5174-461-0.
 6. Joseph, Sanskrity, Deshmukh, G. K., Sahu, Susmriti and Soni, Yogesh, What it Takes to be Employer of Choice: A Study, Shukla, R. K. and Shukla H. (Ed.) **Management Trends And Issues For Sustainable Business Development**, Shri Vaishnav Institute Of Technology & Science, Indore, November 2014, PP. 246-250, ISBN: 978-93-5174-461-0.
 7. Deshmukh, G.K, Joseph, S, Das, R. P., Employer Branding: A Symbiotic Exercise, Jain, R., Joshi, A, Chhabra, G.(Ed) **Business Management and Information Technology**, Excel Books, New Delhi, 2013, PP.335-342, ISBN 978-93-5062-253-7.
 8. Das, R. P., Deshmukh, G.K, Joseph, S and Manna, Lao, Online Advertising: A Modern Way to Capture the Customers, Jain, R., Joshi, A, Chhabra, G.(Ed) **Business Management and Information Technology**, Excel Books, New Delhi, 2013, PP.367-376, ISBN 978-93-5062-253-7.
 9. Deshmukh, G.K, Joseph, S and Das, R.P, Reality of Societal Marketing: Some Indian Perspective, Pandey, A.(Ed) **Emerging Trends and Challenges in Management**, Excel India Publishers, New Delhi, 2012, PP.216-219, ISBN 978-93-82062-09-7.
 10. Joseph, S., Deshmukh, G. K. and Indurkar S. K. Sustainable Development Through Corporate Social Responsibility: A Case Study of Monnet Ispat Foundation, International Conference Proceeding, IC- 190, October 7-9, 2011, ISBN: 978-93-5067-872-5

SK Indurkar

1. Chandra, A. K., Indurkar, S.K. and Gangeswar, D.K., : A Study of Consumer behaviour and perception in emerging concept of marketing using Factor Analysis, **A International Research Journal Lab to Land**, Quarterly Multidisciplinary Research, Vol;3, Issue No. 12, 2012 ISSN No. 0975-282X.
2. Chandra, A. K. and Indurkar, S.K. :Emerging Trend in Consumer Shopping Behaviour: A study, **A International Research Journal Lab to Land**, Quarterly Multidisciplinary Research, Vol;3, Issue No. 1, pp: 415-420, July- Sept. 2011, ISSN No. 0975-282X.
3. Baghel, D., Dubey, A. and Indurkar, S. K. Indurkar, Challenges of Microfinance through SHG with reference to Chhattisgarh, **MATS Journal of Management and Commerce**, Volume 1, Issue 2, 2014, ISSN 2348-7879.
4. Narayan, A. Pooja and Susheel K. Indurkar, Customers Satisfaction: A Study for Client Retention among Stock Broking Firms, **Asian Journal of Research in Business Economics and Management**, Vol.5, No. 5, May 2015, pp.1-8, ISSN 2249-7307.
5. Indurkar, S. K.: Challenges to Maintain Services Quality in Banks for Customer Retention: An Indian Perspective, **International Journal of Marketing & Financial Management**, Volume 3, Issue 06, 2015, ISSN 2349-2546.

Chapters in Books

1. Joseph, S., Deshmukh, G. K. And Indurkar S. K. Sustainable Development Through Corporate Social Responsibility: A Case Study of Monnet Ispat Foundation, ISBN: 978-93-5067-872-5
2. Indurkar, S.K., Thakkar, R. and Dubey, A.: FDI and Food Grain Management in India, Pandey,A.(Ed), **Emerging Trends and Challenges in Management**, Excel India Publishers, New Delhi,2012, PP.311-315, ,ISBN 978-93-82062-09-7.
3. Deshmukh G. K. And Indurkar S. K., Mobile Number Portability in Indian Perspective, Wagh Ajay and Bhadouria Shailendra Singh (Ed.), **Contemporary Issues in Business and Management**, Himalaya Publishing House, pp 1-7

M Sahu

1. Mandavi sahu , A Bi-Annual Journal IMR- Management speak - Revised Review Research paper on Impact of FDI in Indian Retail Sector , Vol. 7 , No1 , Jan- June 2014, ISSN: 2231-1467 RNI No : UPENG/2007/30137
 2. Mandavi sahu , Global Journal of Business management , June -2014, " A Review Research paper on Social Networking site emerging as a new marketing tool , vol-8 , ISSN: 1817-3179
23. Details of patents and income generated
None
24. Areas of consultancy and income generated
None
25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad
None
26. Faculty serving in
- a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify)

RP Das

- Member UGC Expert committee Visited Welinkar Institute, Mumbai under Distance Education, 30 June 2nd July, 2015.
- Member in UGC-HRD Centre, Guru Ghasi Das Central University, Bilaspur, 2015 (Continuing).
- Member Finance Committee, Guru Ghasi Das Central University, Bilaspur 2012 (Continuing).
- Member, UGC SAP in Management, Tejpur Central University, Assam,2011-2016
- Member Centarl Board of Studies in Management , Govt. Of Chhatisgarh from 2014 to 2017.
- Member, KVC – Kendriya Vidyalaya-I WRS Colony, Raipur.
- Member selection Committee of CG State Cooperative Marketing Federation for selection of Executive, 9th March, 2011.
- Member RDC of MATS University,Raipur, APS University, Rewa(M.P.), Chhattisgarh Swami Vivekanad Technical University, Bhilai., Barkatulla University, Bhopal.(M.P.), R.D University, Jabalpur(M.P.)
- Member Board of studies in Kalyan Autonomous College, Bhilai June2015,
- Member Board of studies Sunderlal Sharma Open University, Bilaspur,2015,
- Member Board of studies Sambalpur University, Sambalpur, (Orissa)2015-17,
- Member Board of studies Barkatulla University, Bhopal.(M.P.) ,
- Member Board of studies APS University, Rewa(M.P.)
- Member Board of studies Sambalpur University, Sambalpur, (Orissa),
- Member Board of studies University of Burdwan , (W.B)
- Member Board of studies Bilaspur University, Bilaspur (CG),2013-16.,
- Member Board of studies Kusha Bhau Thakre Patrakarita University, Raipur.,
- Member Board of studies Guru Ghasidas University,Bilaspur (C.G),

- Member Board of studies Bastar University, Bastar (CG)
- Member, Governing Board, NRA Arts and Commerce College, Kharera, C.G.
- Member, Managing Committee, Government NCT College, Dalli Rajahara, (C.G)
- Chairman to Review the Five colleges under Pt. Ravishankar Shukla University before withdrawal of restriction on them, **May, 2011**

Editor/Member Editorial Board in Journals

- Chief Editor, **The Chitrotpala**, The Half-Yearly E-News Letter of Pt. Ravishankar Shukla University, Raipur (CG)
- Was Associate Editor in Indian Journal of Accounting
- Member Editorial Board –Excellence – The Journal of Management, Department Of Business Administration Sambalpur University.
- Member Editorial Board –Management Vistas, The Journal of GGS Institute of Technology and Management Studies, Yamuna Nagar (Haryana)
- Member Editorial Board –The Management Pages, Rajadhani College of Management, Bhubaneswar, Odissa.
- Member Editorial Board –Shruti Journal of Management, Bhubaneswar.
- Member Editorial Board Amity Business Journal

Membership in Professional Associations

- Life Member KUMA, Kurukshetra University, Kurukshetra
- Life Member - All India Commerce Association.
- Life Member- IIM Ahmedabad Alumni Association.
- Life Member- All India Accounting Association
- Life Member Indian Tourism Congress

AK Srivastava

Membership of Professional Bodies:

- Life Member of Indian Commerce Association
- Life Member of All India Accounting Association
- Member, the New Management Association of Chhattisgarh.

Member Advisory Board

- Member Advisory Board, ARASH-A Journal of ISMDR, Allahabad
- Member Advisory Board, Indian Journal of Humanities, Tripura
- Member Advisory Board, Shodh Sankalp, Durg.
- Member Editorial Board Asian Journal of Management
- Member Editorial Board Pt. R S University Journal.

GK Deshmukh

Member Selection Committee

- Acted as member in selection committees of SSC, Govt. Of India, 2014
- Chhattisgarh Marketing Federation, 2013
- Forest Department, Govt. Of Chhattisgarh., 2011

Membership of Professional Bodies:

- Life Member of Indian Commerce Association

Member Advisory Board

- Member Editorial Board Asian Journal of Management

S Joseph

Member Selection Committee

- Member Selection Committee in Indian Overseas Bank

Board of Studies

- Member, Board Of Studies, Bastar University, Bastar

Membership of Professional Bodies:

- All India Management Association

SK Indurkar

- Member, Board Of Studies, Bastar University, Bastar

Membership of Professional Bodies:

- Life Member of Indian Commerce Association

Any other: Faculty currently Serving in Committees in PRSU

Faculty	Position
RP Das	Director College Development Council, Chief Warden Hostel, Member DRC, Member Board of Studies, Member Faculty of Management, Secretary University Industry Partnership Council, Editor Chitrotpala- University News Letter, President Teacher association
AK Srivastava	Proctor of the University, Director Institute of Management , Member Examination Committee, Dean Faculty of Management, Chairman DRC, Chairman Board of Studies, Convener Anti Raging Committee, Chairman Grievance Committee, Chairman Discipline Committee, Incharge Vehicle Section, Suptd. University Examination
GK Deshmukh	Member DRC, Member Board of Studies, Member Faculty of Management, Suptd. University Examination, Resource Person UGC Remedial Coaching
S Joseph	Member DRC, Member Board of Studies, Member Faculty of Management, Member Examination Committee, Member Remedial Coaching, Suptd. University Examination
SK Indurkar	Member Faculty of Management, Member, Central Placement Cell

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
RP Das	Faculty Development Program in ASC Pt. R S University for faculty of Management, commerce and Economics	2013
AK Srivastava	Refresher Course in ASC Pt. R S University for faculty of Management, commerce and Economics	2014
GK Deshmukh	Refresher Course in ASC Jamil Millia Islamia, New Delhi	2010
GK Deshmukh	workshop in ASC Pt. R S University, Raipur on ASCI, SSCI and h index	2011
GK Deshmukh	FDP in ASC Pt. R S University, Raipur	2013
GK Deshmukh	Short term course in ASC Pt. R S University, Raipur on measuring research output with bibliometric and scientimetric	2013
GK Deshmukh	Short term course in ASC Pt. R S University, Raipur on SPSS	2013
S Joseph	Refresher Course in ASC Jamil Millia Islamia, New Delhi	2010
S Joseph	FDP in ASC Pt. R S University, Raipur	2013
S Joseph	Short term course in ASC Pt. R S University, Raipur on measuring research output with bibliometric and scientimetric	2013
SK Indurkar	Orientation Course in ASC Pt. R S University	2010
SK Indurkar	Short term course in ASC Pt. R S University, Raipur on SPSS	2013
SK Indurkar	UGC Sponsored Refereshher Course in ASC Pt. R S University	2014

Lectures delivered by faculty in quality improvement programs

RP Das: 48 lectures

AK Srivastava: 41 lectures

28. **Student projects**

- Percentage of students who have done in-house projects including inter-departmental projects – 100%
- Percentage of students doing projects in collaboration with other universities/industry/ institute- 100%

100% students of the department undertake in house projects in MBA 1st Year as part of

curriculum and 100% students undertake industrial training in collaboration with industries in MBA 2nd Year.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

RP Das

Awards

- Best Management Teacher Award by Rotary Club of Raipur in 2014
- Best Management Teacher Award in 2011
- Executive Development Program: 03
- Acted as resource person in Central Water Resource Department and Gyan Ganga Institute of Technology and Sciences, Jabalpur
- Visiting Assignments : 29

GK Deshmukh

- Invited Lecture- 03

S Joseph

- Invited Lecture- 02

Awards/Recognitions of Students

S. No.	Name	Year	Award
1	Mansi Mishra	2010	Pt. Ravishankar Shukla University Scholarship For M Phil.
2	Piyush Pandey	2010	Three Gold Medals for Securing First Position In MBA 01. स्व. श्रीमती मंदाकिनी शर्मा स्वर्ण पदक 02. स्व. श्री जगन्नाथ प्रसाद शर्मा स्मृति स्वर्ण पदक 03. श्री सेल बाई गेंदराम पाण्डेय स्मृति स्वर्ण पदक
3	Preeti Soni	2011	Won First Prize at National Level Summer Training Project Competition organized by SSGMCEM, Shegaon (MS)
4	Vidita Pandey	2011	Won Second Consolation Prize at National Level Summer Training Project Competition organized by SSGMCEM, Shegaon (MS)
5	Bhupendra Kumar Sahu	2011	Three Gold Medals for Securing First Position In MBA 01. स्व. श्रीमती मंदाकिनी शर्मा स्वर्ण पदक 02. स्व. श्री जगन्नाथ प्रसाद शर्मा स्मृति स्वर्ण पदक 03. श्री सेल बाई गेंदराम पाण्डेय स्मृति स्वर्ण पदक
6	Rashmi Dewangan	2012	Won First Prize at National Level Summer Training Project Competition organized by SSGMCEM, Shegaon (MS)
7	Purshottam Lal Sahu	2012	Won Second Prize at National Level Summer Training Project Competition organized by SSGMCEM, Shegaon (MS)
8	Sumit Jha	2012	Won Third Consolation Prize at National Level Summer Training Project Competition organized by SSGMCEM, Shegaon (MS)
9	Kavita Baraiya	2012	Rajiv Gandhi Fellowship for M.Phil
10	Tapas Lata Sahu	2012	UGC Junior Research Fellowship
11	Rashmi Dewangan	2012	Five Gold Medal for Securing First Position In

			MBA 01. स्व. श्रीमती मंदाकिनी शर्मा स्वर्ण पदक 02. श्री राम आसरे तिवारी स्मृति में 03. स्व. श्री जगन्नाथ प्रसाद शर्मा स्मृति 04. श्री सेल बाई गेंदराम पाण्डेय स्मृति स्वर्ण पदक 05. पं. रविषंकर शुक्ल विश्वविद्यालय, गोल्ड मैडल
12	Shilpy Kashyap	2013	Best Paper award in Natioanl Seminar Organised by MATS University
13	P Kumar Mahilange	2013	UGC Junior Research Fellowship
14	DBS Rao	2013	Five Gold medals for Securing First Position In MBA 01. स्व. श्रीमती मंदाकिनी शर्मा स्वर्ण पदक 02. श्री राम आसरे तिवारी स्मृति में 03. स्व. श्री जगन्नाथ प्रसाद शर्मा स्मृति स्वर्ण पदक 04. श्री सेल बाई गेंदराम पाण्डेय स्मृति स्वर्ण पदक 05. पं. रविषंकर शुक्ल विश्वविद्यालय, गोल्ड मैडल
15	Benson Baby Akash Gupta Shushank Jain Chirag kesharwani	2015	Common Event Does Grey Matter-Winner- ITM University, Raipur
16	Yogesh Kumar Sahu Sandeep Patre Priya Pawar Chetna Nayak	2015	Eloquent Vision -Runner UP- ITM University, Raipur
17	Bhagyashree Patnaik	2015	Dance(Solo) Competition -Runner UP- ITM University, Raipur
18	P. Akhilesh Kumar	2015	Main bhi Filmy hoon Competition -Runner UP- ITM University,Raipur
19	Laxmikant Mishra Sandep Patre P. Akhilesh Kumar	2015	Finance Event Finanga -Winner- ITM University, Raipur
20	Yogesh Kumar Sahu Shushank Jain Chirag Kesharwani	2015	Finance Event Brand Your Bank -Winner- ITM University, Raipur
21	B Patnaik Neera Kumari Neha tiwari	2015	Finance Event Finaholics -Runner UP- ITM University, Raipur
22	Aruna Prabha Peri Dinesh Pathaik Chirag Kesharwani N Singh Chouhan	2015	Marketing Event Launch pad -Runner UP- ITM University, Raipur
23	Prashansha Thakur Ruchi Jaiswal K. Jidu Madhvan	2015	Marketing Event Imaginica -Winner- ITM University, Raipur
24	Yogesh Kumar Sahu Laxmikant Mishra Sandeep Patre	2015	HR Event Humanitics -Winner- ITM University, Raipur
25	N Singh Chouhan P. Akhilesh Kumar Anita Yadav	2015	HR Event Humanitics –Runner UP- ITM University, Raipur

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. [Keynote & 4-5 speakers]

	Program	Source of funding	Outstanding participants
Seminars	UGC sponsored Three days National seminar on Management Paradigms for Sustainable Development of India, 7 th -9 th Feb 2015	UGC	Prof. H.M. Jha, Head, Dept. Of Business Administration and Resaerch, SSGMCEM Shegaon (MS), Prof. Rann Singh, Punjabi University, Patiala, Prof. A K Dasmahapatra, Sambalpur

			University, Sambalpur
	One Day Seminar on New Dimensions of Corporate Social responsibility 2 nd Feb 2014	The New Management Association of Chhatishgarh	Swami Satya Roopanand, Secretary Ramkrishna Ashram, Raipur, Shri LT Sherpa, Executive Director (P&A) Shri Shailendra Shukla, CEO, CREDA, Executive Director, CBDA
	2 nd Pithatlia Memmorial Lecture on Value, Vision and Mission		Dr. Bharat JhunJhunwala, Economist and Enviromentalist
	UGC sponsored Three days National Seminar on Emerging Innovations and Practices in Indian Business, 6 th -8 th Sept 2013.	UGC	V Raghunathan, Vice Chairman GMR Varlaxmi Foundation, Hyderabad, Prof. Nageshwar Rao, In charge Vice Chancellor IGNOU, Prof Gurcharan Singh, Punjabi University Patiala
	Ist Pithatlia Memmorial Lecture on Value, Vision and Mission		Prof. P K Singh, IIM Indore.
	UGC sponsored Three days National Seminar on Academic Industry Interface in the Era of Globalisation, 3 rd -5 th March, 2012.	UGC	Padmashri Phulbasan Yadav, Prof. B S Sahay, Director IIM Raipur, Shri K Patel, GM HRD Jayswals Neco, Shri. Mithilesh Pandey, AE, HUL Mumbai
	SEBI sponsored One day National Work shop on Stock Operations on 6/01/2012	SEBI	Prof. H.M. Jha, Head, Dept. Of Business Administration and Resaerch, SSGMCEM Shegaon (MS)

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Ethical Committee of University provides ethical clearance
- Plagiarism Cell of the University

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected (at entry level: 1 st Semester)		Pass percentage (Total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
MBA Management					
2010-2011	121	35	25	93.87	89.6
2011-2012	138	34	21	94.41	81.0
2012-2013	32	13	19	92.30	94.0
2013-2014	73	28	26	97.78	100
2014-2015	77	23	34	87.17	80
2015-2016	86	27	33	82.60	94.6
M.Phil. Management					
2010-2011	7	00	04	-	100
2011-2012	16	02	03	100	100
2012-2013	18	02	02	100	100
2013-2014	11	00	00	-	-
2014-2015	7	00	00	-	-
2015-2016	0	00	00	-	-
Ph.D. Management					

2010-2011	00	00	00	-	-
2011-2012	22	01	02	2	-
2012-2013	72	04	05	3	-
2013-2014	85	01	01	-	1
2014-2015	59	00	00	-	1
2015-2016	58	00	00	-	-

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From Universities outside the State	% of students from Other Countries
MBA	2015-16	56.67	38.33	5	00
MBA	2014-15	57.89	33.33	8.78	00
MBA	2013-14	57.40	24.07	18.51	00
MBA	2012-13	71.87	31.25	00	00
MBA	2011-12	58.33	18.33	11.67	00
MBA	2010-11	63.33	28.33	8.33	00
M.Phil.	2015-16	00	00	00	00
M.Phil.	2014-15	00	00	00	00
M.Phil.	2013-14	00	00	00	00
M.Phil.	2012-13	25	75	00	00
M.Phil.	2011-12	20	60	20	00
M.Phil.	2010-11	25	75	00	00
Ph.D.	2015-16	00	00	00	00
Ph.D.	2014-15	00	00	00	00
Ph.D.	2013-14	00	00	100	00
Ph.D.	2012-13	22.22	22.22	55.56	00
Ph.D.	2011-12	33.33	66.67	00	00
Ph.D.	2010-11	00	00	00	00

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Tapaslata Sahu	NET JRF	2011	OBC
2.	Sanjay Jangade	NET	2011	SC
3.	Prakash Kumar Mahilange	NET	2011	SC
4.	Yogesh Soni	NET	2012	OBC
5.	Archi Dube	NET	2012	Gen
6.	Deepti Baghel	NET	2012	OBC
7.	Anurodh Banode	NET	2012	OBC
8.	Kavita Baraiya	NET	2012	SC
9.	Lao Manna	NET JRF	2012	Gen
10.	Jaya Chandra	NET	2012	OBC
11.	Rashmi Dewangan	NET JRF	2012	OBC
12.	Ananya Sen	NET	2012	Gen
13.	Ismeet Bindra	NET	2012	Gen
14.	Teju Kujur	NET	2012	ST
15.	Anju Verma	NET	2012	OBC
16.	Shashi Patel	NET	2012	OBC
17.	Amrendra Kumar	NET JRF	2013	OBC
18.	Rajvinder Singh	CISF (SSC)	2013	Gen
19.	Ms. Neha Yadav	PSC	2014	OBC
20.	Atul Chaturvedani	SSC	2014	SC

35. Student progression

Student progression	Percentage against enrolled (2015-16)
UG to PG	00

PG to M.Phil.	00
PG to Ph.D.	26.67
Ph.D. to Post-Doctoral	00
Employed	2010-11 11-12 12-13 13-14 14-15
Campus selection	21 20 18 11 18
Other than campus recruitment	19 18 16 09 20
Entrepreneurs	4 03 02 01 04

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	66.67
from other universities within the State	Nil
from universities from other States	33.33

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 % and departmental campus is WiFi
b) Total number of class rooms	7
c) Class rooms with ICT facility	2
d) Students' laboratories	01
e) Research laboratories	00

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of Registration	Subject
1.	Susheel Kumar Indurkar	AK Srivastava	2009	Financial Management
2.	Archi Dubey	AK Srivastava	2011	Marketing Management
3.	Dilip Kumar Ghritlahre	GK Deshmukh	2012	Marketing Management
4.	Tapas Lata Sahu	RP Das	2012	Human Resource Management

ii. Post-doctoral: None

iii. Research Associates: None

b) from other institutions/universities

i. Currently working [Registered/ Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Deepti Baghel	AK Srivastava	2011	General Management
2.	Lao manna	RP Das	2011	Marketing Management
3.	Ashok Kumar Jha	GK Deshmukh	2012	General Management
4.	Anurodh Banode	GK Deshmukh	2012	Marketing Management
5.	Shilpy Kashyap	S Joseph	2012	Human Resource Management
6.	Sushrimiti Sahu	SJoseph	2012	Human Resource Management
7.	Gagandeep Saluja	S Joseph	2012	Marketing Management
8.	Aishwarya hada	RP Das	2012	Marketing Management

9.	Ananya Sen	AK Srivastava	2012	Retail Management
10.	P Kumar Mahilange	RP Das	2013	Supply Chain Management
11.	Tripti Shastri	GK Deshmukh	2013	Consumerism

ii. Post-doctoral: None

iii. Research Associates: None

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1	Mr Dattatreya Hoskere	AK Srivastava	2011	Marketing Management
2	Mr Sunderlal Singh	AK Srivastava	2011	Human Resource Management
3	S Dayal Sharma	AK Srivastava	2012	General Management
4	S Ranjan Praveer	AK Srivastava	2012	Retail Management
5	T Kumar Sharma	RP Das	2012	OB and Retail Management
6	Syeda Shumaela Naeem	RP Das	2014	Human Resource Management
7	Suchitra Rathi	RP Das	2015	General Management

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Feedback was taken from stakeholders during alumni meet, parents-teacher meet, interaction with other facilities and meeting of UIPC to understand the requirement for new trends. Secondly the proposal was put before Staff Council, Academic Council and APEB for approval. After approval from these bodies the proposal was sent to UGC for approval.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, the department obtains feedback from faculty on curriculum as well as teaching-learning-evaluation and uses it by making changes in the Papers and introducing new papers.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? Yes feedback is obtained through <ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers) The department introduces new curriculum and papers to make the programs more employment oriented and ensures new skill development.

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Name	Subject	Year	Current Position Held
International				
1.	Saket Ranjan Praveer	Reatil Management	2012	Professor , W S University, Ethiopia
2.	PK Bhattacharya	Marketing Management	2007	Former Professor in Dept of Business Administration in Kardan Institute of Higher Education Kabul, Afghanistan
3.	Jaishri Jadhvani	MBA	2005	Currently Pursuing Ph. D in London
4.	Albert Kujur	MBA	2009	Training and Placement Cell in London UK
5.	Reji P Raju	MBA	2004	Training Coordinator, Microsoft Lumia Ireland
National				
1.	Susheel Indurkar	MBA	2003	Assistant Professor, Institute of Management
2.	Monika Sethi	MBA	1996	Professor, ITM University
3.	Manoj Verghese	MBA	1996	Professor, Rungta College of Engineering & Manangement
4.	Satish Ailawadi	Ph. D	2009	Director General , K G Somaiya Institute of Management, Mumbai
5.	Vikas Nath	Ph. D	2005	Director, Management, Bharti Vidya Bhavan University, Delhi

In Administration:

1.	JP Dash	Ph. D	2009	Director, Ordinance Factory Services, Nagpur
2.	SD Sharma	Ph. D	2012	Director, Air Port Athourity, Assam
3.	SL Singh	Ph. D	2011	DGM Bhilai Steel Plant, Bhilai
4.	Neha Yadav	MBA	2010	Nayab Tehsildar, CG Govt
5.	Abhijeet Sarkar	MBA	2008	Marketing Coordinator NERCOMP, Meghalaya

In Industry

1	Tarun Sharma	MBA	1995	ED Dalmaia Cement, New Delhi
2	Sunil Tiwari	MBA	1995	GM Idea Cellular Indore
3	Sanjay Singh	MBA	1996	VP Bangur Cement
4	NareshJaiswal	MBA	2008	Senior Zonal Manager, Orient Cement
5	Anjana Rao	MBA	1998	Insurance Solution Architect (Pre Sales) at Oracle, Volunteer at PMI Mumbai Chapter

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
MBA Gusset Lecture Series	2011	PK Mohanty
Golden Jubilee Lecture	2014	B Muthuraman
MBA Gusset Lecture Series	2012	PK Yadav
MBA Gusset Lecture Series	2014	Ashok Mohanty
Pithalia Memmorial Lecture 2013	2013	PK singh
Pithalia Memmorial Lecture 2014	2014	Bharat Jhun Juhnwala

Conferences & Workshops: 2010-2015

Invited lectures 2010-2015:

Invited Speaker	Year
Prof.H. M. Jha, Shegaon	2015
Prof. Pushkar Nath, Ranchi	2015
Prof. Ran Singh, Patiala	2015
Prof. J.L.Bharadwaj, Raipur	2015
Prof. Umesh Holani, Gwalior	2015
Prof. A. K. dasmohapatra, Sambalpur	2015
Prof. Sampad Swain, Amarkantak	2015
Prof. Gurucharan Singh, Pariala	2015
Dr. P.K. Bhattacharya, Hyderabad	2015
Dr. B. N. Rao, Raipur	2015
Dr. R. K. Sahoo, Rourkela	2015
Mr. K. M. Deshpandey, Raipur	2015
Dr. J.P.Das, Nagpur	2015
V Raghunathan	2013
Prof. Gurucharan Singh	2013
Prof. Ran Singh	2013
Prof. P B Singh	2013
Prof. L P Pateriya	2013
Prof. Manas Pandey	2013
Prof. Sumita Dave	2013
Prof. D B Mitra	2013
Prof. R K saho	2013
Prof. H M Jha	2013
Prof. P Nath	2013
Prof. N Rao	2013
Dr. Y K Solanki	2013
Shri. G K padhi	2013
Prof. B S Sahay	2012
Padmashri Phulbasan yadav	2012
Shri. K Patel	2012
Prof. A K Dasmahapatra	2012
Prof. S V S Chauhan	2012
Prof. Ramkrishna	2012
Prof. Atul Pandey	2012
Mr. B K Awasthi	2012
Mr. K Prashar	2012
Mr. Mthilesh Pandey	2012
Prof. P K Mohanty	2012

45. List the teaching methods adopted by the faculty for different programs.

- Instruction paradigm
- Learning paradigm
- Lab work
- Field Work
- Rubrics
- ICT
- Business Games
- Case Method
- Seminars

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
Staff Council	Monthly meeting and interaction
DRC	Progress of research activity
Feedback	Feedback analyzed and discussed in Staff Council Meeting
Attendance	Monitored every month in the semester

Internal Assessment	Continues evaluation by class test and presentation
---------------------	---

47. Highlight the participation of students and faculty in extension activities.

- Cleanliness drive
- Plantation
- Blood donation camp
- Public Out Reach Centre

Description	Date	Beneficiary
Rajyotsav	November 1 st Week	Public in general and students in particular
INSPIRE	Twice in a year	+ 10 School students of the state

48. Give details of “beyond syllabus scholarly activities” of the department.

- Acting as adjudicator for evaluation of PhD thesis of other university
- Acting as Resource Person
- Referring of manuscripts
- Members in Editorial Board
- Members in Advisory Committee

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

AICTE

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes; Reviews written by faculties work as resource materials in other Universities.

RP Das

Book

- Handbook for Managerial Recruitment and Selection, Kanishka Publishing House, Delhi, 1992.
- Indian Industrial Relations-Theory and Practice, MTC, Varanasi, 2001
- Cases in Human Resource Management (co-authored) –Himalaya Publishing House, Mumbai, 2002.
- Communication Skills. (Co-authored) Himalaya Publishing House, Mumbai, 2005.
- Communication Skills. (Co-authored) Himalaya Publishing House, Mumbai, Revised Edition, 2009.

A K Srivastava

- Book edited entitled “Principles of Entrepreneurship” written by Satish C Ailawadi & Romy Banerjee, published by Everest Publishing House, Pune, 2007

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Leading center for management studies in the region
- Strong networking with the local and national industries for training and placement of the students

Weaknesses

- Limited research output
- Paucity in extramural funding

Opportunities

- Development of incubation center for entrepreneurship
- Consultancy Cell needs to be strengthened to enable the small and medium enterprises to innovate and produce new products
- Mobilization of research funding

Challenges

- Establishing linkages with national and international institutions
- Mobilization of industrial input in academic and research of the department

52. **Future plans of the department.**

- Starting New program in MBA in Retailing Management, International Business, and Executive MBA
- Starting New Specialization in existing programs: Production Management, Corporate Social responsibility and Banking and Insurance
- Establishment of Entrepreneurship Development Cell

Evaluative Report of the Department

1. Name of the Department: School of Studies in Mathematics
2. Year of establishment: 1991
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Mathematics	1991
2.	M.Sc.	PG	Mathematics (with specialisation in Cryptography)	2015
3.	M.Phil.	Research	Mathematics	2007
4.	Ph.D.	Research	Mathematics	1991
5.	D.Sc.	Research	Mathematics	1991

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester - M.Sc. from the Academic Session: 2007-08
 - Semester - M.Sc. with Choice Based Credit System in place from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
Five-Year Integrated PG Program offered by the Center for Basic Sciences (CBS)
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor	2	1	1
Assistant Professor	3	1	0
Contract Teachers	-	-	1
Guest Teachers	-	-	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
BK Sharma	Ph.D.	Professor	Analysis	37	4(2)*	12
HK Pathak	Ph.D.	Professor and Head	Nonlinear Analysis	37	4(2)	12
BS Thakur	Ph.D.	Associate Professor	Analysis	12	4(2)	12

*Currently working

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.Sc.
2010-2011	40
2011-2012	40
2012-2013	60
2013-2014	40
2014-2015	40
2015-2016	40

14. Program-wise Student Teacher Ratio

Session	M.Sc.	M.Phil.
2010-2011	8.5:1	3.3:1
2011-2012	8.5:1	3.3:1
2012-2013	8.5:1	3.3:1
2013-2014	8.6:1	3:1
2014-2015	8.6:1	-
2015-2016	11.66:1	-
Median	9.6:1	3.25:1
Ph.D. 6 research scholars (maximum) with each teacher		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	2	1	1
Administrative Staff	2	2	3

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Analysis	DST-FIST Level-I	2010-2014

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
BS Thakur	UGC, New Delhi	A study of Iterative schemes for nonexpansive mappings	2012-2014	1.8
<i>Ongoing projects</i>				
BS Thakur	CCOST, Raipur	Convergence analysis of some iterative algorithms for nonlinear mappings (2173/CGCOST/MRP/2015, dated 4.2.2105)	2015-2017	4.45
BK Sharma	CSIR, New Delhi	Analysis of nonlinear model containing accretive operator (25(0234)/14/EMR-II)	2014-2016	9.92
HK Pathak	UGC, New Delhi	Study of fixed point problems under relaxed conditions and their applications (MRP-MAJOR-MATH-2013-18394)	2015-2017	10.3

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	-	-	-	2009-17
International	Gyeongsang National University, Jinju, S, Korea (2014) Walter Sisulu University, Umtata, South Africa (2010)	- -	- -	2007-15

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No	Funding Agency	Program	Period	Amount (INR in Lac)
Current; in the period of assessment: 2010-2015				
1	DST, New Delhi	DST-FIST Level-I	2010-2015	14.00
			Total INR	14.00

20. Research facility/ centre with:

a) State recognition	-
b) National recognition	<ul style="list-style-type: none"> DST-FIST DAE Library Grant-Rs. 13.0 Lakhs (2010-2014) Recognised as a centre for NBHM FELLOWHIP AWRD EXAAM.
c) International recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number				Average
	SCOPUS		NON-SCOPUS		SCOPUS
	National	International	National	International	
o Number of papers published in peer reviewed journals (national / international)	00	36	16	76	12.0/ faculty
o Monographs	-				
o Chapters in Books	-				
o Edited Books	-				
o Books with ISBN with details of publishers	-				
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences)	SCOPUS		Google Scholar		

Directory, EBSCO host, etc.) [documents, citations and h-index will be included from SCOPUS and Google Scholar; Google i10 index of the department] GOOGLE SCHOLAR –206; h-Index (32); since 2010 (27); i10-Index (40); Since 2010 (34); Citations (1953), since 2010 (1367)	36		
o Citation Index – range / average [Google Scholar]	1 – 154		9.480
o Total citation [Google Scholar/ SCOPUS]	Google Scholar: 1953		
o SNIP	See Table below		-
o SJR	See Table below		-
o IPP	See Table below		-

Journal	Year	SJR	IPP	SNIP
Fixed Point Theory and Applications	2010	0.769	1.738	1.007
	2011	1.612	1.997	1.136
	2012	1.181	2.326	1.197
	2013	0.860	2.374	1.157
	2014	0.919	1.756	1.046
	2015	-	-	-
Journal of Mathematical Analysis and Applications	2010	1.338	1.225	1.385
	2011	1.517	1.254	1.473
	2012	1.225	1.193	1.447
	2013	1.352	1.235	1.414
	2014	1.206	1.130	1.301
	2015	-	-	-
Nonlinear Analysis- Theory, Methods and Applications	2010	1.169	1.273	1.130
	2011	1.694	1.599	1.362
	2012	1.780	1.833	1.544
	2013	1.544	1.822	1.622
	2014	1.464	1.534	1.520
	2015	-	-	-
Applied Mathematics Letters	2010	0.820	1.137	1.093
	2011	1.224	1.470	1.415
	2012	1.243	1.823	1.618
	2013	1.085	1.737	1.531
	2014	1.033	1.499	1.431
	2015	-	-	-
Applied Mathematics and Computation	2010	0.846	1.516	1.232
	2011	1.071	1.548	1.295
	2012	1.027	1.661	1.344
	2013	1.141	1.849	1.482
	2014	0.958	1.716	1.378
	2015	-	-	-
Journal of Computational and Applied Mathematics	2010	0.904	1.278	1.237
	2011	1.012	1.287	1.367
	2012	0.970	1.315	1.382
	2013	1.125	1.416	1.479
	2014	1.104	1.481	1.547
	2015	-	-	-
Journal of Inequalities and Applications	2010	0.460	0.726	0.743
	2011	0.505	0.677	0.648
	2012	0.488	0.873	0.760
	2013	0.368	0.840	0.736
	2014	0.363	0.646	0.619

	2015	-	-	-
Topological Methods in Nonlinear Analysis	2010	0.531	0.367	0.916
	2011	0.923	0.678	1.237
	2012	1.148	0.808	0.888
	2013	1.046	1.017	1.096
	2014	0.522	0.500	0.534
	2015			
Numerical Functional Analysis and Optimization	2010	0.689	0.731	0.736
	2011	0.722	0.700	0.788
	2012	0.750	0.688	0.785
	2013	0.619	0.834	0.888
	2014	0.500	0.638	0.797
	2015	-	-	-
Optimization Letters	2010	0.706	0.800	1.093
	2011	0.719	0.933	1.213
	2012	1.282	1.519	1.766
	2013	0.737	1.071	1.310
	2014	0.701	0.931	0.924
	2015	-	-	-

○ Impact Factor – range / average	0.270 - 2.503	1.386
○ h-index [Google Scholar/ SCOPUS] faculty-wise (total period)	Faculty	Google Scholar
○	BK Sharma	06
○	HK Pathak	20
○	BS Thakur	06

Publications of Faculty

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

BK Sharma

1. Vandana & Sharma, B.K. (2014). An EPQ Inventory model with Weibull distribution deterioration with permissible delay in payment, **Proceeding of Society of Operations Management**.Pg.423-429. [I]
2. Thakur, Khushboo, Tripathi, B.P., Sharma, B.K. (2014).Implementation of Hermit Normal Form in NTRU matrix formulation algorithm. **International Journal of Innovation and Scientific Research**, Vol. 12, no. 1, pp. 58-64.[F]
3. Sharma Neetu, Sharma Birendra Kumar. (2014)New provably secure blind signature scheme with Weil pairing , **Int. Jr. of Advancements in Research and technology**, Vol.3, No.5, pp.103-109, ISSN 2278-7763.[F]
4. Sharma Neetu, Sharma Birendra Kumar. (2014). New short signature scheme with Weil pairing, **International Journal of Computer Application.**, Vol.94, No.10, pp.25-28. [F].
5. Sharma Neetu, Sharma Birendra Kumar. (2014). Provably secure self proxy signature scheme using bilinear pairing, **Int. of Multidisciplinary in Cryptology and Information Security**, Vol.03, No.2, pp.9-13, ISSN 2320 2610.[I]
6. Thakur Tejeshwari, Verma Swati, and Sharma Birendra Kumar, (2014).“An ID-Based Anonymous Proxy Chameleon Signature Based on Bilinear Pairings,” **International Journal of Innovation and Scientific Research**, vol. 10, no. 2, pp. 438–442.[F]
7. Thakur Tejeshwari and Sharma B K, (2014) Certificate less chameleon hash scheme based on RSA Assumption, **Eng. Math. Lett.** 2014:12,Available online at <http://scik.org>ISSN: pp. 2049-9337.[F]
8. Thakur Tejeshwari, Sharma Neetu, and Sharma Birendra Kumar.(2014). Efficient design of Certificateless Chameleon Signature from Bilinear Pairing,**International Journal of Database Theory and Application**, Vol.7, No.3 pp.23-30.[F]
9. Thakur Tejeshwari, Sharma Birendra Kumar. (2013). Efficient design of id based on multi proxy chameleon signature from bilinear pairing, **Engineering Science International Research Journal** ,Vol. 2 Issue-1, ISSN-2320-4338.[I]

10. Thakur Tejeshwari, Sharma B K, (2013). New Identity based key exposure free chameleon hashing based on RSA Assumption, **Research Journal of Science and Technology**, Vol. 5, issue:3 pp. 307-312. ISSN-0975-4393.[1]
11. Sahu Hemlal and Sharma B K. (2014).Cryptanalysis and Improvement of Yanlin and Xiaoping'S Signature Scheme Based on ECDLP and Factoring, **International Journal of Computer Applications** voi.85(3), pp. 39-41.[1]
12. Sharma B K and Sahu Hemlal. (2013). A New Public Key Cryptosystem Based OnWeil Pairing. **International Journal of Advanced Networking and Applications** 5(2), pages 1883-1885.[1]
13. Sharma B K, Sahu Hemlal and Sharma Neetu. (2013). A New Zero Knowledge Identification Scheme Based On Weil Pairing. **International Journal of Computer Applications (IJCA)**, Vol. 83, No. 2, (2013).[1]
14. Pradhan Sushma and Sharma Birendra Kumar. (2013). A New Design to Improve the Security Aspects of RSA Cryptosystem. **IJCSBI**, Vol-3, No.1.[1]
15. Pradhan Sushma and Sharma Birendra Kumar. (2013). A New Construction of Lattice based on RSA public key Cryptosystem.2(2).[1]
16. Pradhan Sushma and Sharma Birendra Kumar. (2013). An Efficient PKC based on RPRIME cryptosystem, **IJAST**, Vol. 6, Issue2.[1]
17. Pradhan Sushma and Sharma Birendra Kumar. (2013). An Efficient RSA Cryptosystem with BM-PRIME Method. **IJINS**, Vol.2, No.1.[1]
18. Verma Swati and Sharma Birendra Kumar.(2013).Cryptanalysis of Lu et al.'s Proxy Blind Multi Signature Scheme. **International Journal of Computer Theory and Engineering**, Vol.5, No.5, pp. 820-822. [1]
19. Verma Swati and Sharma Birendra Kumar. (2013). An Efficient Proxy Signature Scheme Based on RSA Cryptosystem. **International Journal of Advanced Science and Technology**, Vol.51, pg.121-126. [1]
20. Verma Swati and Sharma Birendra Kumar.(2012). A New Proxy Blind Signature Scheme Based on DLP. **International Journal of Information & Network Security** 1(2), pp. 60-66.[1]
21. Verma Swati and Sharma Birendra Kumar.(2012). A New Signature Scheme Based on Factoring and Discrete Logarithm Problems. **International Journal of Information & Network Security**1(3), pp. 158-162.[1]
22. Verma Swati and Sharma Birendra Kumar.(2012). A New Digital Signature Scheme Based on Factoring and Discrete Logarithm. **Bull. Cal. Math. Soc.**, Vol. 104, No.3, pp. 193-196.[1]
23. Gurudwan Niyati and Sharma B.K. (2012) Strong convergence theorem for finite family of m-accretive operators in Banach spaces, **Bull. Iran. Math. Soc.** [1][JIF: 0.270]
24. Gurudwan Niyati and Sharma B.K.(2012). Hybrid steepest descent approximation method for the zeros of generalized accretive operators, **Pan. Amer. Math. J.**, 22 (no.2), 55-65.[1]
25. Verma Swati and Sharma Birendra Kumar. (2011). Improved Signature Scheme Based on Factoring and Discrete Logarithm Problems. **International Journal of Advances in Science and Technology (IJAST)**, Vol. 3, No.4, pp.67-75 .[1]
26. Verma Swati and Sharma Birendra Kumar. (2011). A New Digital Signature Scheme Based on Two Hard Problems, **Int. Jr. Pure Appl. Sci. Technol**, 5 (no.2), 55-59.[1]
27. Gurudwan Niyati and Sharma B.K. (2011). Convergence theorem for the common solution for a finite family of phi-strongly accretive operator equations, **Applied Mathematics and Computation (AMC)**, 217 (no.15), 6748-6754. [1][JIF:1.551]
28. Verma Swati and Sharma Birendra Kumar. (2011). A New Digital Signature Scheme Based on Two Hard Problems, **Int.J.Pure Appl.Sci.Technol (IJPAST)**, 5(no.2), 55-59.[1]
29. Gurudwan Niyati and Sharma B.K.(2011).Iterative solution of asymptotically accretive operator equation, **Non. Func. Anal. Appl. (NFAA)**, 16 (no.3) ,323-329.[1]
30. Sahu Hemlal and Sharma B K. (2010). "An MSS Based on the Elliptic Curve Cryptosystem" **International Journal of Network Security** , 11(no.2), 118-120.[1][JIF:1.3921]
31. Gurudwan Niyati and Sharma B.K.(2010).Approximating solutions for the system of phi-strongly accretive operator equation in Reflexive Banach space, **Bulletin of Mathematical Analysis and Applications (BMAA)**, 2 (no.3),32-39.[1][JIF: 1.0434]
32. Gurudwan Niyati and Sharma B.K. (2010). Iterative solution of an uniformly

- continuous accretive operator equation, **Nonlinear Functional Analysis and its Applications (NFAA)**, 15 (no.3), 459-466. [F] [JIF:0.390]
33. Kashyap Sunil Kumar, Sharma Birendra Kumar. (2010). Amitabh Banerjee, Survey on DLP based PKCs, **Encryption, IEEMS (IEJEMTA)**, 1(4), 16-40. [F]
34. Kumar Sunil Kashyap, Sharma Birendra Kumar. (2010). Amitabh Banerjee, GF (p^{12})* based PKC, **IEEMS (IEJEMTA)**, Volume 8, 61-86. [F]

HK Pathak

1. Pathak, H.K., George Reni, Nabwey, Hossam A.; El-Paoumy, Mahdy S.; Reshma, Kaivatath Puthalath. (2015) Some generalized fixed point results in a b-metric space and application to matrix equations, **Fixed Point Theory and Applications**, vol. 2015, no. 1, 2015:101, 17 pp. [F] [JIF: 2.503]
2. Pathak, H. K., Rodríguez-López, Rosana (2015). Existence and approximation of solutions to nonlinear hybrid ordinary differential equations, **Applied Mathematics Letters**, 39 (1), 101–106. [F] [JIF: 1.337]
3. Pathak, H. K., Rodríguez-López, Rosana (2015). On Some Fixed Point Results for $H+$ -Type Contraction Mappings in Metric Spaces, **Discrete Dynamics in Nature and Society**, vol. 2015, 2015 b Article ID 914158, 12 pages [F] [JIF: 1.266]
4. Pathak, H. K. , Agarwal, R. P. , Cho, Y.J. (2015). Coincidence and fixed points for multi-valued mappings and its application to nonconvex integral inclusions, **Journal of Computational and Applied Mathematics**, 283 (1) ,201–217. [F] [JIF: 1.266]
5. Dhage, B. C., Dhage, S. B., Pathak, H. K. (2015). A generalization of Darbo's fixed point theorem and local attractivity of generalized nonlinear functional integral equations, **Diff. Equ. & Appl.**, 7(1) , 57-77. [F]
6. Dhage, B.C., Dhage, S.B., Ntouyas, S.K., Pathak, H. K. (2015). On local attractivity of nonlinear functional integral equations via measures of noncompactness, **Malaya J. Mat.**, 3 (1), (to appear). [I]
7. Deepmala, Pathak, H. K. (2014). Remarks on occasionally weakly compatible maps versus occasionally weakly compatible maps, **Demonstration Mathematical**, 47(3), 695–703. [F]
8. K. B. Manandhar, K. B., Jha K., Pathak, H. K. (2014). A common fixed point theorem for compatible mappings of type (E) in fuzzy metric space, **Applied Mathematical Sciences**, 8(1), 2007–2014. [F]
9. Pathak, H. K., Khan, M. S. (2014) Common Fixed Point Results and its Applications to Best Approximation in Ordered Semi-Convex Structure, **Journal of Equilibrium System**, 1(3) (2014), 30-48. [F]
10. Pathak, Hemant Kumar, Shahzad, Naseer (2013). A generalization of Nadler's fixed point theorem and its application to nonconvex integral inclusions, **Topological Methods in Nonlinear Analysis**, 41(1), pp. 207–227, 2013 [F] [JIF: 0.477]
11. Deepmala, Pathak, H. K. (2013). A Study on Some Problems on Existence of Solutions for Nonlinear Functional-Integral Equations , **Acta Mathematica Scientia**, 33(5), pp. 1305–1313, 2013 [F] [JIF: 0.742]
12. Verma, R. K., Pathak, H. K. (2013). Common fixed point theorems using property (E.A) in complex-valued metric spaces , **Thai Journal of Mathematics**, 11(2), pp. 347–355, 2013n [F]
13. Pathak, H. K., Mishra, S. N. (2013). Some surjectivity theorems with applications , **Archivum Mathematicum**, 49(1), pp. 17–27. [F]
14. Deepmala, Pathak, H. K. (2013). Study on existence of solutions for some nonlinear functional-integral equations with applications, **Mathematical Communications**, 18(1), pp. 97–107. [F]
15. Pathak, Hemant Kumar, Shahzad, Naseer (2013). Some results on best proximity points for cyclic mappings , **Bulletin of the Belgian Mathematical Society - Simon Stevin**, 20(3), pp. 559–572, 2013 [F] [JIF: 0.444]
16. Pathak, H. K., Deepmala (2013). Common fixed point theorems for PD-operator pairs under relaxed conditions with applications, **J. Comput. Appl. Math.** 239, 103–113. [F] [JIF: 1.266]
17. Pathak, H.K., Tiwari, R. (2013). Common fixed points for weakly compatible mappings and applications in dynamic programming, **Italian Journal of Pure and Applied Mathematics** 30, pp. 253–268.
18. Rhoades, B. E., Pathak, H. K., Mishra, S. N. (2012). Some weakly contractive mapping

- theorems in partially ordered spaces and applications, **Demonstratio Math.** 45 (3), 621–636. [F]
19. Hussain, N., Pathak, H. K., Tiwari, S. (2012). Application of fixed point theorems to best simultaneous approximation in ordered semi-convex structure, **J. Nonlinear Sci. Appl.** 5(4), 294–306. [F]
 20. Pathak, Hemant Kumar, Shahzad, Naseer (2012). A new fixed point result and its application to existence theorem for nonconvex Hammerstein type integral inclusions, **Electron. J. Qual. Theory Differ. Equ.** 2012, No. 62, 13 pp. [F] [JIF: 0.817]
 21. Pathak, H. K., Deepmala (2012). Remarks on some fixed point theorems of Dhage, **Appl. Math. Lett.** 25 (11), 1969–1975. [F] [JIF: 1.337]
 22. Pathak, H. K., Sahu, Vinod Kumar (2012). An iterative scheme for generalized equilibrium problems and fixed point problems of strict pseudo-contraction mappings, **J. Adv. Res. Pure Math.** 4 (3), 47–60. [F]
 23. Hussain, N., Pathak, H. K. (2012). Common fixed point and approximation results for H-operator pair with applications, **Appl. Math. Comput.** 218 (2), 11217–11225. [F] [JIF: 1.551]
 24. Pathak, Hemant Kumar, Shahzad, Naseer (2012). Convergence and existence results for best C-proximity points, **Georgian Math. J.** 19 (2), 301–316. [F]
 25. Verma, R. K., Pathak, H. K. (2012). Solution of nonlinear integral equations via fixed point of generalized contractive condition, **Mat. Vesnik** 64 (3), 223–231. [F]
 26. Pathak, H. K., Deepmala(2012). Existence and uniqueness of solutions of functional equations arising in dynamic programming, **Appl. Math. Comput.** 218 (13), 7221–7230. [F] [JIF: 1.551]
 27. Pathak, H. K. and Sanghi, M., (2012). Cryptanalysis of Modified STPKE' Protocol, **Journal of Computer Technology & Applications** 3(1), 43-48. [F]
 28. Pathak, H. K. and Sanghi, M., (2012). Improved G-3PAKE protocol with formal verification, **Int. J. Inform. & Network Security**, 1(1), 1-8. [F]
 29. Pathak, H. K., Tiwari, Satyaj (2011). Common fixed point and best simultaneous approximations theorems under relaxed conditions, **J. Int. Acad. Phys. Sci.** 15 (1), 17–22. [I]
 30. Pathak, H. K., Rai, Deepmala (2011). Some common fixed point theorems for occasionally weakly compatible maps with applications in dynamics programming, **Rev. Bull. Calcutta Math. Soc.** 19 (2), 215–224. [I]
 31. Pathak, H. K., Rodríguez-López, Rosana, Tiwari, Rakesh (2011). Common fixed point result in symmetric spaces, **Novi Sad J. Math.** 41 (2), 1–15. [F]
 32. Pathak, H. K., Sahu, Vinod Kumar (2011). A viscosity three step iteration schemes and common fixed points of three generalized quasi non expansive mappings, **Int. J. Pure Appl. Math.** 71 (3), 351–360. [F]
 33. Hussain, N., Pathak, H. K. (2011). Subweakly biased pairs and Jungck contractions with applications, **Numer. Funct. Anal. Optim.** 32 (10), 1067–1082. [F] [JIF: 0.591]
 34. Cho, Yeol Je, Hussain, Nawab, Pathak, Hemant Kumar (2011). Approximation of nearest common fixed points of asymptotically I-nonexpansive mappings in Banach spaces, **Commun. Korean Math. Soc.** 26 (3), 483–498. [F]
 35. Pathak, H. K., Singh, Prachi (2011). Coincidence and fixed points for mappings satisfying tangential condition, **J. Fuzzy Math.** 19 (2), 263–274. [F]
 36. Pathak, H. K. and Verma, R. K., (2011). Common fixed point theorems for occasionally converse commuting mappings in symmetric spaces, **Kathmandu Univ. J. Sci., Eng. And Tech.** 7(1), 56- 62. [F]
 37. Pathak, Hemant Kumar, Tiwari, Rakesh (2011). A Gregus type common fixed point theorem in normed spaces with application, **Banach J. Math. Anal.** 5 (1), 136–157. [F] [JIF: 1.050]
 38. Pathak, H. K., Khan, M. S., Kim, Jong Kyu (2010). Coincidence point and homotopy results for f-hybrid compatible maps, **Nonlinear Funct. Anal. Appl.** 15 (1), 87–162. [F] [JIF: 0.390]
 39. Pathak, H. K., Rodríguez-López, Rosana, Verma, R. K. (2010) A common fixed point theorem of integral type using implicit relation, **Nonlinear Funct. Anal. Appl.** 15 (1), 1–12. [F] [JIF: 0.390]
 40. Singh, S. L., Pathak, H. K., Mishra, S. N. (2010). On a Suzuki type general fixed point theorem with applications, **Fixed Point Theory Appl.** 2010, Art. ID 234717, 15 pp. [F] [JIF: 2.503]

41. Pathak, H. K., Hussain, N. (2010). Common fixed points for P-operator pair with applications, **Appl. Math. Comput.** 217 (7), 3137–3143. [F] [JIF: 1.551]
42. Pathak, H. K., Tiwari, Satyaj (2010). Common fixed point and best simultaneous approximations for Ciric type (f, g)-weak contraction and weak asymptotic contraction, **Int. J. Pure Appl. Math.** 62 (3), 291–304. [F]
43. Pathak, H. K., Tiwari, Satyaj (2010). Best simultaneous approximation via KKM-mapping method for multivalued mappings, **Int. J. Pure Appl. Math.** 59 (2), 181–190. [F]
44. Suzuki, Tomonari, Pathak, Hemant Kumar (2010). Almost biased mappings and almost compatible mappings are equivalent under some condition, **J. Math. Anal. Appl.** 368(1), 211–217. [F] [JIF: 1.120]
45. Pathak, H. K., Tiwari, Satyaj, (2010). On best simultaneous approximation in semi metric spaces, **J. Concr. Appl. Math.** 8 (4), 623–630. [F]
46. Pathak, H.K. and Sanghi, M., (2010). Public key cryptosystem and a key exchange protocol using tools of non-abelian group, **International Journal on Computer Science and Engineering** 2(4), 1029-1033. [I]
47. Pathak, H.K., Sanghi, M., (2010). Speeding up Computation of Scalar Multiplication in Elliptic Curve Cryptosystem, **International Journal on Computer Science and Engineering** 2(4), 1024-1028. [I]
48. Pathak, H.K., Sanghi, M., (2010). Key exchange scheme with higher security and its Analysis, **African Journal of Mathematics and Computer Science Research** 3(12), pp. 290-296. [I]

Other publications of Faculty

BK Sharma

1. Vandana & Sharma, B.K., (2015). An EPQ Inventory model with permissible delay in payment, **International Journal of Mathematical Sciences & Engineering** (Proceeding) [F].
2. Sahu Hemlal and Sharma B K. (2013). A New Encryption Scheme Based On Hybrid Problems. **8th International conference for internet technology and secured transactions 2013 proceeding** 529-532. [F]

HK Pathak

3. Pathak, H. K. , Goswami, M. P. (2015). Some characterizations of fusion Banach frames, **International Journal of Wavelets, Multiresolution and Information Processing** (2015), (to appear). [F]
4. Pathak, H.K., (2011). A Note on Convergence of a Sequence and Its Applications to Geometry of Banach Spaces, **Advances in Pure Mathematics** 1(3), 33-41. [F] [JIF: 0.46]
5. Pathak, H.K., Singh, P. , (2011). A New Bandwidth Interval Based Forecasting Method for Enrollments Using Fuzzy Time Series, **Applied Mathematics** 2(4), [F] [JIF: 0.61]

BS Thakur

1. Thakur, B.S., D.Thakur, Postolache, M. (2015). Modified Picard-Mann hybrid iteration process for total asymptotically nonexpansive mappings. **Fixed Point Theory and Applications**, 2015, 2015:140. [F] [JIF: 2.503]
2. D.Thakur, Thakur, B.S., Postolache, M. (2015). Convergence theorems for generalized nonexpansive mappings in uniformly convex Banach spaces. **Fixed Point Theory and Applications**, 2015, 2015:144. [F] [JIF: 2.503]
3. Thakur, B.S., Dewangan, R., Postolache, M. (2015). New iteration process for pseudocontractive mappings with convergence analysis. **Fixed Point Theory and Applications**, 2015, 2015:55. [F] [JIF: 2.503]
4. Sharma, A.K., Thakur, B.S. (2015). Best proximity points for K-rational proximal contraction of first and second kind. **Annals of the University of Bucharest**, 64(6), 105-118. [F]
5. Thakur, B.S., Khan, M.S., Dipti Thakur (2015). Fixed point theorems for nonself asymptotically nonexpansive type mappings in CAT (0) spaces. **Journal of Nonlinear Analysis and Application**, 2015(2), 87-94. [F]
6. Moudafi, A., Thakur, B.S. (2014). Solving Proximal Split Feasibility Problems without

- prior knowledge of operator norms. **Optim. Lett.**, 8(7), 2099-2110. [F][JIF: 0.934]
7. Dewangan, R., Thakur, B.S., Postolache, M. (2014). Strong convergence of asymptotically pseudocontractive semigroup by viscosity iteration. **Applied Mathematics and Computation**, 248, 160–168. [F][JIF: 1.551]
 8. Thakur, B.S., Dewangan, R., Postolache, M. (2014). General composite implicit iteration process for a finite family of asymptotically pseudo-contractive mappings. **Fixed Point Theory and Applications**, 2014, 2014:90. [F][JIF: 2.503]
 9. Thakur, B.S., Dewangan, R., Postolache, M. (2014). General composite implicit iteration process for a finite family of asymptotically pseudo-contractive mapping. **Fixed Point Theory and Applications**, 2014, 2014:90. [F][JIF: 2.503]
 10. D.Thakur, Thakur, B.S., Postolache, M. (2014). New iteration scheme for numerical reckoning fixed points of nonexpansive mappings. **Journal of Inequalities and Applications**, 2014, 2014:328. [F][JIF: 0.773]
 11. Dewangan, R., Thakur, B.S., Postolache, M. (2014). A hybrid iteration for asymptotically strictly pseudocontractive mappings. **Journal of Inequalities and Applications**, 2014, 2014:374. [F][JIF: 0.773]
 12. Chande, M.K., Thakur, B.S. (2014). an elliptic curve based multi-signature scheme for wireless network. **International Journal of Information & Network Security**, 3(1), 33-39. [F]
 13. Thakur, B.S. (2014). Solvability of extended general strongly mixed variational inequalities. **International Journal of Analysis and Applications**, 4(1), 78-86. [F]
 14. Thakur, B.S., A.Sharma (2014). Existence and convergence of best proximity points for semi cyclic contraction pairs. **International Journal of Analysis and Applications**, 5(1), 33-44. [F]
 15. Sharma, A.K., Thakur, B.S. (2014). Best proximity points for K-proximal contraction. **International Journal of Analysis and Applications**, 6(1), 82-88. [F]
 16. Yadav, M.R., Sharma, A.K., Thakur, B.S. (2014). Best proximity point theorems for multivalued mappings in complete metric spaces. **Sarajevo Journal of Mathematics**, 10(23), 185-195. [F]
 17. Thakur, B.S., Varghese, S. (2014). Generalized nonlinear variational inequalities. **Novi Sad J. Math**, 44(2), 29-40. [F]
 18. Chande, M.K., Thakur, B.S. (2014). an improved proxy blind signature scheme with forward security. **International Journal of Computer Applications**, 85(15), 1-4. [F]
 19. Yadav, M.R., Sharma, A.K., Thakur, B.S. (2014). Best proximity point theorems for generalized contraction in metric spaces. **J. Nonlinear Funct. Anal.**, 2014, 2014:2. [F]
 20. Thakur, B.S., Dewangan, R., Postolache, M. (2013). Strong convergence of strongly continuous semigroup of asymptotically pseudocontractive mappings. **Numerical Functional Analysis and Optimization**, 34(12), 1418–1431. [F][JIF: 0.591]
 21. Thakur, B.S., M.S.Khan, S.M.Kang (2013). Existence and approximation of solutions for system of generalized mixed variational inequities. **Fixed Point Theory and Applications**, 2013, 2013:108. [F][JIF: 2.503]
 22. Thakur, B.S., Postolache, M. (2013). Existence and approximation of solutions for generalized extended nonlinear variational inequalities. **Journal of Inequalities and Applications**, 2013, 2013:590. [F][JIF: 0.773]
 23. Thakur, B.S., Varghese, S. (2013). Solvability of a system of generalized extended variational inequalities. **Advances in Fixed Point Theory**, 3(4), 629-647. [F]
 24. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Best proximity points for generalized proximity contraction in complete metric spaces. **Advances in Fixed Point Theory**, 3(2), 392-405. [F]
 25. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Best Proximity Point Theorems in Metric spaces. **Int Jr. of Mathematical Sciences & Applications**, 3(1), 1-8. [F]
 26. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Best proximity point theorems for rational expression in complete metric spaces. **J. Comp. & Math. Sci.**, 4(3), 153-159. [F]
 27. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Two-step iteration scheme for nonexpansive mappings in uniformly convex Banach space. **Journal of Inequalities and Special Functions**, 4(4), 21-28. [F]
 28. Sharma, A., Imdad, M., Thakur, B.S. (2013). Convergence of modified Ishikawa's iteration process for asymptotically pseudocontractive mappings. **Functional Analysis, Approximation and Computation**, 5(1), 21-32. [F]

29. Thakur, B.S. (2013). Iterative approximation for common solution of a finite family of m -accretive operators. **J. Adv. Math. Stud.**, 6(1), 34-42. [F]
 30. Thakur, B.S., Varghese, S. (2013). Approximate solvability of general strongly mixed variational inequalities. **Tbilisi Mathematical Journal**, 6, 13-20. [F]
 31. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Two-step iteration process for contractive condition in Banach space. **International J. of Math. Sci. & Engg. Appls.**, 7(1), 47-56. [F]
 32. Thakur, B.S., Varghese, S. (2013). Solvability of a system of nonconvex general variational inequalities. **Sarajevo Journal of Mathematics**, 9(21), 109-116. [F]
 33. Thakur, B.S. (2013). An iterative method for finite family of hemi contractions in Hilbert space. **Cubo Math. J.**, 15(2), 105-110. [F]
 34. Abbas, M., Thakur, B.S., D.Thakur (2013). Fixed points of asymptotically nonexpansive mappings in the intermediate sense in CAT (0) spaces. **Communications of the Korean Math. Soc.**, 28(1), 107-121. [F]
 35. Thakur, B.S. (2013). Strong convergence theorems for semi group of asymptotically nonexpansive mappings using viscosity approximation. **Kragujevac Journal of Mathematics**, 37(1), 141-158. [F]
 36. Thakur, B.S., Varghese, S. (2013). Generalized set-valued nonlinear variational-like inequalities. **Annals of the University of Bucharest**, 62(4), 541-560. [F]
 37. Yadav, M.R., Sharma, A.K., Thakur, B.S. (2013). Best proximity point theorems for MT-K and MT-C rational cyclic contractions in metric spaces. **World Academy of Science, Engineering and Technology, International Science Index**, 807(8), 1156-1161. [F]
 38. Yadav, M.R., Thakur, B.S., Sharma, A.K. (2013). Three step iteration scheme for m -contractive condition in Banach spaces. **International Journal of Pure and Applied Mathematics**, 85(1), 23-31. [F]
 39. Thakur, B.S. (2012). Strong convergence for asymptotically ϕ -hemicontractive mappings. **Romai J.**, 8(1), 165-171. [F]
 40. Thakur, B.S., Khan, M.S. (2012). Strong convergence for semi group of asymptotically pseudocontractive mappings. **Journal of Nonlinear Functional Analysis and Applications**, 17(2), 213-224. [F]
 41. Thakur, B.S. (2012). Strong convergence for finite family of asymptotically nonexpansive mappings in the intermediate sense. Vasile Alecsandri University of Bacau, Faculty of Sciences, **Scientific Studies and Research Series Mathematics and Informatics**, 22(2), 5-16. [F]
 42. Thakur, B.S., Varghese, S. (2012). Solvability of a system of generalized mixed variational inequalities. **International Journal of Applied Mathematics**, 25(3), 405-415. [F]
 43. Thakur, B.S. (2012). Strong convergence theorem for finite family of asymptotically demicontractive mappings. **JNANABHA**, 42, 143-148. [F]
 44. B.K.Sharma, Thakur, B.S. (2012). Convergence theorems for semi group of asymptotically nonexpansive mappings. **Annals of the University of Bucharest**, 61(3), 89-96. [F]
 45. Thakur, B.S., Varghese, S. (2012). Generalized mildly nonconvex variational inequalities and its solvability. **Journal of Nonlinear Analysis and Application**, 2012, 2012 Article ID jnaa-00146. [F]
23. Details of patents and income generated
Nil
 24. Areas of consultancy and income generated
Nil
 25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad
Nil
 26. Faculty serving in
 - a) National committees
 - b) International committees
 - c) Editorial Boards
 - d) any other (please specify)

BK Sharma

Any other: Members in Professional Body

- Indian Mathematical Society

HK Pathak

Editorial Boards

- Associate Editor, International Magazine for Advances in Computer Science and Telecommunications
- Associate Editor, Fixed Point Theory and Applications, Springer
- Editor, Journal of Modern Methods in Numerical Mathematics
- Editor, JP Journal of Fixed Point Theory and Applications
- Editor, International Journal of Diophantine Approximation and Number Theory
- Editor, American Journal of Computation and Applied Mathematics
- Editor, Current Advances in Mathematics Research
- Editor, Journal of Calculus of Variations, Hindawi
- Editor, J. Vikram University, Ujjain, India
- Guest Editor, Indian Journal of Mathematics, 2013-2014

Any other: Members in Professional Body

- Allahabad Mathematics Society – Life Member.
- Bharat Ganit Parishad – Life Member.
- The Vijnana Parisad of Indian – Life Member.
- Calcutta Mathematical Society – Life Member.

BS Thakur

Any other: Members in Professional Body

- Indian Mathematical Society (Life)
- The Indian Science Congress Association (Life)
- Indian Society of Mathematics and Mathematical Sciences (Life)
- Cryptology Research Society of India (Life)
- Indian Society of Industrial and Applied Mathematics (Life)
- Vijnana Parisad of India (Life)
- Ramanujan Mathematical society (Life)

Any other: Faculty currently Serving in Committees in PRSU

BK Sharma

1. Director, HRDC
2. EC Member 2012-14
3. Dean Faculty of Science 2012-14
4. Member, APEB, RSU 2012-14
5. Kulpati (Officiating) RSU. May 14- June 18, 2013
6. Member, Annual Report, RSU
7. Member, Grievance Committee, RSU
8. Member, UFM-RSU 2012-14

HK Pathak

1. Director (I/C), CBS
2. In-Charge, NME-ICT (2010-2012)
3. Head (I/C), SoS in Computer Science & IT

BS Thakur

In-Charge, Computer Centre, Pt. RSU

All Faculty

1. Member, BoS in Mathematics
2. Member, Departmental Staff Council
3. Member, Departmental Grievance Committee

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
BK Sharma	Invited talk as resource person Govt. College, Bhilai-Durg	Feb. 28, 2013
	Invited talk as resource person Seth Phoolchand College, Rajim, 2014	Jan. 29-30. 2014
HK Pathak	Invited talk as resource person "From Geometry to Cryptography", National Seminar on Emerging areas in pure & Applied Mathematics, Kalyan P.G. College, Bhilai Nagar,.	Nov 25-26, 2011
	"Glimpses of Ramanujan Contributions", National Seminar on The Rich Heritage of Mathematics in India, Govt. V.Y.T. PG. Autonomous college, Durg during	Oct., 26-27, 2012
	"Topology", National workshop on fuzzy sets & its application & general mathematics, " Govt. J.Y. Chhattisgarh college, Raipur,	Jan. 17-19, 2013
	"An overview of topological fixed point theory and its application", National workshop on recent development in mathematics and its application in various field, St Thomas College, Bhilai, during	Jan., 21-22, 2013
	"Fixed point theorems and applications", National Seminar on Education and Research Scenario of Mathematical and Computer Sciences, Seth Phoolchand College, Rajim ,	Jan.29-30, 2013
	Refresher Course: <i>Research methodology</i> , Pt. Ravishankar Shukla University, Raipur.	Feb. 1-21, 2013.
BS Thakur	Invited talk as resource person "The Pythagorean Theorem: Crown Jewel of Matheamtics" on "Inspire Program" organized by Pt. Ravishankar Shukla University.	Dec. 2010.
	"Use of Computer at Work Place" on the Orientation Program organized by Pt. Ravishankar Shukla University, Raipur .	Aug.26, 2011
	"Introduction to Excel and Its Application" on the Orientation Program organized by Pt. Ravishankar Shukla University, Raipur.	Sep.03,2011
	"Protecting Information from Caesar to RSA and Future" on "National Workshop on Recent Trends in Graph Theory and Cryptography" organized by Department of Mathematics, Govt. V.Y.T.PG Autonomous College Durg (C.G.)	October 11-13, 2011
	"Role of ICT in College Administration" on "Workshop of Principals" August 22-24, 2012 Pt. Ravishankar Shukla University, Raipur.	Aug.22,2012
	"Mathematical Genius Srinivasa Ramanujan (Ramanujan's Lost Notebook)" on "State seminar in "The great Indian Mathematician Ramanujan and his contribution" organized by Govt. Kaktiya P.G.College Jagdalpur(Bastar) (C.G.)	Nov.2-3, 2012
	"ICT in the Development of Nation" , National Science Day Celebration, 2015 organized by Govt.D.T.College Utai, Durg (C.G.)	Mar. 4, 2015
	"Life and work of Shrinivasa Ramanujan" at Govt. College Nagari (C.G.)	Feb. 28, 2015
	"Examination Reform: Examination and Evaluation" at Orientation Program organized by Academic Staff College, Pt. R.S.U. Raipur	July 27, 2015

28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects
 - percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil. - 100% in house project

29. Awards / recognitions received at the national and international level by
- Faculty
 - Doctoral / post doctoral fellows
 - Students

Faculty

BK Sharma

National level

- “Distinguish Service Award” by Vijana Parisad of India (2014)

HK Pathak

National level

- “Distinguish Service Award” by Vijana Parisad of India (2011)

Other recognition

- Visited Walter Sisulu University, Umtata, South Africa during August-September, 2010 as Visiting Fellow.
- Visited Gyeongsang National University, Jinju during September, 2014 as Visiting Fellow.

BS Thakur

International level

1. TWAS by UNESCO (2008-2011)

Doctoral students

Award

State

2013

1. Deepmala: 11th Chhattisgarh Young Scientist Award (Mathematics)

Fellowship

2011-2012

1. Rajeev Gandhi National Fellowship: JRF, Dipti Thakur

2012-2013

1. Rajeev Gandhi National Fellowship: JRF, Dipti Thakur
2. Rajeev Gandhi National Fellowship: JRF, Tejeswari Thakur

2013-2014

1. Rajeev Gandhi National Fellowship: SRF, Dipti Thakur
2. Rajeev Gandhi National Fellowship: JRF, Tejeswari THakur
3. INSPIRE Fellowship: JRF, Deepmala

2014-2015

1. Rajeev Gandhi National Fellowship: SRF, Dipti Thakur
2. Rajeev Gandhi National Fellowship: SRF, Tejeswari Thakur
3. INSPIRE Fellowship:SRF, Deepmala

2015-2016

1. Rajeev Gandhi National Fellowship: SRF, Dipti Thakur
2. Rajeev Gandhi National Fellowship: SRF, Tejeswari Thakur

Travel support to attend International Conference

1. Niyati Gurudwan: Paper presented in International conference on functional equation and inequalities, Bedlewo, Poland. Foreign Travel Grant provided by Department of Science and Technology (DST) , New Delhi and CSIR, New Delhi, 2011
2. Swati Verma: Paper presented in International conference on Computer Modeling and Simulation, Feb. 24-26, 2013 Rome (Italy). Foreign Travel Grant provided by Department of Science and Technology (DST) , New Delhi and RSU, Raipur, 2013

3. Hemlal Sahu: Paper presented in International conference on Internet Technology and Secure Transection, Dec. 9-12, 2013 London (UK). Foreign Travel Grant provided by Department of Science and Technology (DST), New Delhi and RSU, Raipur, 2011

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	National Seminar on ADVANCES IN NONLINEAR ANALYSIS AND OPTIMIZATION, FEB. 15-17, 2014	UGC, NBHM, CCOST	V. Kannan, Pro VC, Central University of Hyderabad Geetha S. Rao, Ramanujan Institute for Advanced Study in Mathematics (Chennai) V. K. Saxena, Ex. Vice Chancellor, Jiwaji University S.L. Singh, Gurukul Kangri University (Hardwar) Arun Kumar, Ranidurga wati University Jabalpur Q.H.Ansari, AMU (Aligarh)

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Institutional Ethics Committee for Human Research
- Institutional Ethical Committee for Animal Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected(at entry level: 1 st semester)		Pass percentage(total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
M.Sc. Mathematics					
2010-2011	51	04	21	50	Female
2011-2012	83	06	19	66.6	90.47
2012-2013	92	07	18	85.71	84.21
2013-2014	147	09	16	100	100
2014-2015	179	04	21	-	100
2015-2016	274	13	27	-	-
M.Phil. Mathematics					
2010-2011	31	03	07	33.3	71.4
2011-2012	49	-	10	-	70%
2012-2013	26	04	06	75	33.33
2013-2014	31	03	07	33.33	14.28
2014-2015	36*	-	-	-	-
2015-2016	11*	-	-	-	-
Ph.D. Mathematics					
2010-2011	93	02	02	1.86	1.86
2011-2012	88	00	00	-	-
2012-2013	74	00	00	-	-
2013-2014	79	01	01	0.79	0.79
2014-2015	59	Nil	02	-	1.18
2015-2016	97	01	02	0.97	1.94
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.Sc. Mathematics	2015-16	84	16	00	00
M.Sc. Mathematics	2014-15	56	44	00	00
M.Sc. Mathematics	2013-14	64	36	00	00
M.Sc. Mathematics	2012-13	76	24	00	00
M.Sc. Mathematics	2011-12	96	04	00	00
M.Sc. Mathematics	2010-11	92	08	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Aditya Pandey	CGPSC	2013	General
2.	Hemlata Nagesh	SET	2013	SC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	30%
PG to Ph.D.	54 %
Ph.D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	66.6 %
from other universities within the State	Nil
from universities from other States	33.3%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	3
c) Class rooms with ICT facility	3
d) Students' laboratories	1
e) Research laboratories	0

39. List of doctoral, post-doctoral students and Research Associates

(a) form the host institution/university

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of Registration / Admission	Subject
1.	Vandana Rai	BK Sharma	2012	Mathematics

2.	Tejeshwari Thakur		2012	Mathematics
3.	Neetu Sharma		2013	Mathematics
4.	Shruti Nathani		2013	Mathematics
5.	Khshboo Thakur		2014	Mathematics
6.	Hemlata Nagesh		2014	Mathematics
7.	Maheshwaru Sahu		2014	Mathematics
8.	Vinod Kumar Sahu	HK Pathak	2011	Mathematics
9.	Nirmala Rai		2012	Mathematics
10.	Mayur Puri Goswami		2014	Mathematics
11.	Manoj Kumar Chande	BS Thakur	2011	Mathematics
12.	Dipti Thakur		2011	Mathematics
13.	Rajshree Dewangan		2011	Mathematics
14.	Shweta Singh		2013	Mathematics

i. **Post-doctoral:** Nil

ii. **Research Associates:** Nil

a) **from other institutions/universities:** Nil

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Hemant Kumar Nashine	BK Sharma	2010	Mathematics
2.	Rohit Kumar Verma	HK Pathak	2011	Mathematics
3.	Satyaj Tiwari	HK Pathak	2012	Mathematics
4.	Prachi Singh	HK Pathak	2012	Mathematics
5.	Sunil Kumar Kashyap	BK Sharma	2012	Mathematics
6.	Niyati Gurudwan	BK Sharma	2013	Mathematics
7.	Swati Verma	BK Sharma	2014	Mathematics
8.	Suja Varghese	BS Thakur	2014	Mathematics
9.	Deepmala Rai	HK Pathak	2014	Mathematics
10.	Sushma Pradhan	BK Sharma	2014	Mathematics
11.	Manju Sanghi	HK Pathak	2014	Mathematics
12.	Ajay Kumar Sharma	BS Thakur	2014	Mathematics
13.	Hemlal Sahu	BK Sharma	2014	Mathematics

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? No
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
e) Alumni and employers on the programs offered and how does the department utilize the feedback? <ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Alumni	course	Batch	Current Position
1.	Dr. Rajesh Pandey	Mathematics	1991	Principal, Govt. Kamla Devi Girls College, Rajnandgaon Mob. 9425564819
2.	Dr. P. P. Murthy	Mathematics	1992	Associate Professor, Guru Ghanshi Das Central University, Bilaspur Mob. 9424168937
3.	Dr. D. R. Sahu	Mathematics	1996	Associate Professor, Department of Mathematics, BHU, Varanasi (UP) Mob. 9795371821
4.	Dr. Guptaeswar Gupta	Mathematics	1999	Principal, Govt. Gajanand Madhaw Mauktibodh College, Sahaspur Lohara, Kabirdham Mob. 9425511072
5.	Dr. Amitabh Banerjee	Mathematics	1996	Principal, Govt. Shukhram Nage College, Sihawa (Nagari), Dist. Dhamtari Mob. 9425510098
6.	Dr. C. L. Dewangan	Mathematics	1996	Principal, Govt. College, Fingeshwar, Dist. Gariaband Mob. 9425516542
7.	Dr. Sahadeo Padhey	Mathematics	2006	Assistant Professor, Motilal Nehru National Institute of Technology (MNNIT), Allahabad (UP) Mob. 9453256043
8.	Dr. K. K. Dewangan	Mathematics	2003	Assistant Professor, Department of Mathematics, Govt. Digvijay Auto. College, Rajnandgaon Mob. 9827185443
9.	Dr. B. P. Tripathi	Mathematics	2001	Professor, Department of Mathematics, Govt. Nagarjuna Model Science College, Raipur Mob. 9425207511

In Administration:

1.	Dr. Pradeep Choubey	Mathematics	2001	Controllor, Chhattisgarh Professional Examination Board(CGVYAPAM), Raipur Mob. 9926000079
----	---------------------	-------------	------	---

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Program	Year	Invited Speaker
National Mathematics Day Celebration	2013	Prof. K. Srinivasa Rao
TeachersDay Celebration	September 5	Faculty members
Visiting Professor		

Conferences & Workshops: 2010-2015

Invited lectures 2010-2015:

Invited Speaker	Year
Prof. D.K Ganguly, Univ. of Calcutta, Kolkata. WB	2013
Prof. S. Thangavelu, IISc, Bangluru, Karnataka	2013
Prof. Samares Pal, Kalyani University, WB	2013
Prof. S. L. Singh, Gurukul Kangri Univ., Hardwar, Uttarakhand	2013
Prof. K.Chakraborty, HRI, Allahabad, UP	2013
Prof. K. Srinivasa Rao, Chennai & Kumbhakonam, Tamilnadu	2014
Prof. V. Kannan, Univ. of Hyderabad, AP	2014
Prof. Geeta S. Rao, Chennai, TYamilnadu	2014
Prof. V. K. Saxena, Ex. VC, Jiwaji University, Gwalior, MP	2014
Prof. M. Thamban Nair, IIT Madras, Chennai, Tamilnadu	2014
Prof. Dipen Prasad, TIFR, Mumbai, MH	2015

Workshop attended by research students: 2010-2015

- NIT, Raipur

- BHU visit. Tejeshwari Thakur, khushboo thakur.
- Hyderabad visit.nitu

45. List the teaching methods adopted by the faculty for different programs.

- Instruction paradigm
- Learning paradigm
- Lab work
- Field Work
- Rubrics
- ICT
- Others

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

- Cleanliness drive
- Plantation – Photograph for proof
- Public Out Reach Center

Description	Date	Beneficiary
Teachers Day Celebration	September 5 every year	Students
Rajyotsav	November 1 st Week	Public in general and students in particular
INSPIRE	Twice in a year	+ 10 School students of the state
Annual Young Scientist Meet	Once in a year (Feb-March)	Academicians and Researchers

48. Give details of “beyond syllabus scholarly activities” of the department.

- Acting as adjudicator for evaluation of PhD thesis of other university
- Participation in Ph.D. viva seminar and faculty selection committees of Univ./Col.
- Acting as Resource Person
- Referring of manuscripts
- Members in Editorial Board
- Members in Advisory Committee
- Mentoring and participation in INSPIRE Camps

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- DST-FIST and DAE supported department
- Research citations/ documentations in well known and reputed database

Weaknesses

- Lack of Linkages with Industries
- Limited Consultancy

Opportunities

- Scope for research activities in Tribal areas
- Scope for Patenting and Consultancy in the diverse areas of Mathematical Sciences

Challenges

- Implementation of Modular syllabus
- Linkage/ Consultancy/ MoU

52. **Future plans of the department.**

- Introduction of new PG courses in Cryptography and M.Sc. by Research
- Up-gradation of infrastructure and computing facility

Evaluative Report of the Department

1. Name of the Department: University Institute of Pharmacy
2. Year of establishment: 2001
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Technology)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	B. Pharm.	UG	Pharmacy	2001
2.	M. Pharm.	PG	Pharmaceutics	2006
3.	Ph.D.	Doctoral	Pharmacy	2004

5. Interdisciplinary programs and departments involved
Ph.D. – Pharmaceutical Sciences
Core branches of Pharmacy involved: Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy, Pharmacology
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
Semester System - B. Pharm. Since 2010-2011
- M. Pharm. since introduction of program with Choice Based Credit System from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	2
Associate Professor	4	2	1
Assistant Professor	8	8	8
Contract Teachers	-	-	-
Visiting Teachers	4	4	4

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M. Pharm. students guided for the last 5 years	
					Ph. D.	M. Pharm.
S Saraf	M.Pharm., Ph.D.	Professor	Pharmacognosy	26	5(2)*	3
S Saraf	M.Pharm., Ph.D.	Professor & Director	Pharmaceutics	22	3(3)	5
PK Suresh	M.Pharm., Ph.D.	Associate Professor	Pharmaceutics	16	1	5
SJ Daharwal	M.Pharm., Ph.D.	Assistant Professor	Pharmaceutical Chemistry	22	1	1
M Singh	M.Pharm.,	Assistant	Pharmaceutical	10	3	4

	Ph.D.	Professor	Biotechnology			
A Vyas	M.Pharm., Ph.D.	Assistant Professor	Pharmaceutics	9.5	1	4
D Singh	M.Pharm., Ph.D.	Assistant Professor	PharmaceuticalBi otechnology	11	4	3
V Jain	M.Pharm., Ph.D.	Assistant Professor	Pharmacognosy	11	4	1
R Jangde	M.Pharm.	Assistant Professor	Pharmaceutics	5	-	-
A Kujur	M.Pharm.	Assistant Professor	Pharmaceutics	3	-	-
RTirkey	M.Pharm.	Assistant Professor	Pharmacology	3	-	-
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	UG Program	PG Program	Ph. D
	B. Pharm.	M. Pharm.	Course work
2010-2011	20	Nil	Nil
2011-2012	20	Nil	Nil
2012-2013	20	Nil	Nil
2013-2014	20	Nil	Nil
2014-2015	20	Nil	Nil
2015-2016	20	Nil	Nil

14. Program-wise Student Teacher Ratio

Session	UG Program	PG Program
	B.Pharm.	M.Pharm.
2010-2011	18:1	5:1
2011-2012	13:1	5:1
2012-2013	16:1	2:1
2013-2014	18:1	3:1
2014-2015	19:1	4:1
2015-2016	19:1	5:1
Median	18:1	4.5:1
Ph. D: 6 Research scholar (Maximum) with 1 Teacher		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	08	04 (01 left)	03
Administrative Staff	25	14	11

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Novel carriers for targeted and controlled drug delivery	DST, UGC, AICTE	2010-15
2.	Standardization of herbal formulations	DST, UGC	2011-16
3.	Herbal cosmetics	DST, UGC, AICTE, CCOST	2011-16

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National

PI/ Co-PI	Title of the Project/ program grant	Funding agency	Year	Amount (INR in Lac)
S Saraf	Formulation and evaluation of herbal cosmetics.	UGC	2007-2010 completed	9.32
S Saraf	Targeted delivery of phytoconstituents to reduce ultra violet radiation generated skin cancer	UGC	2010-2013 completed	7.70
D Singh	Development and characterization of novel drug delivery systems for plant actives and extracts	UGC	2010-2013 completed	5.89
D Singh	Advances in Pharmaceutical Research(Seminar grant)	AICTE	2014 completed	2.00
D Singh	Establishment and optimization of hairy root of costusspeciosus for production of diosgenine	CCOST	2011-2014 completed	2.00
M Singh	Natural polymer based lipospheres: versatile delivery carrier for Proteins and peptides	CCOST	2011-2014 completed	2.00
M Singh	Corticosteroid and keratolytic agent loaded nanostructured lipid constructs: Novel topical system for treatment of psoriasis	UGC	2012-2015 completed	9.75
A Vyas	Preparation and characterization of cyclodextrin based nanostructured lipid carriers for poorly soluble alkylating agent	UGC	2013-2016 ongoing	11.75
A vyas	Development and Characterization of Supramolecular System of Drug-Cyclodextrin Complexes Encapsulated in Rosin Microspheres	CCOST	2013-2016 ongoing	3.55
V Jain	Development of quality control parameters for Celastruspaniculata Wild. and Gloriosasuperba Linn.: An commercially important ethnomedicinal plants of Chhattisgarh	CCOST	2013-2016 ongoing	3.50
PK Suresh	Development and characterization of corticosteroid loaded topical nanocolloidal carriers for treatment of inflammatory ocular disorders	CCOST	2014-2017 ongoing	4.10
S Saraf	Staff development program	AICTE	2014	7.0
S Saraf	Development and Characterization of Phospholipids Complexes of Some Plant Actives for Improving Bioavailability”	AICTE	2014-2017 ongoing	14.73
S Saraf	Phytochemical and Pharmacological Evaluation of some Ethnic Immunomodulator Plants of Chhattisgarh”	UGC	2015-2018 ongoing	14.13

Prior to 2010				
PI/ Co-PI	Title of the Project	Funding agency	Year	Amount (INR in Lac)
S Saraf	Standardization of some Traditional Ayurvedic formulations	UGC-MRP	2008-2011	9.74
Swarnlata Saraf	Development of safety and quality control parameters of herbal cosmetics.	AICTE_RPS	2007-2009	9.78
Swarnlata Saraf	Quality Control of Herbal Cosmetics (Staff development program)	AICTE	2006	2.00
Swarnlata Saraf	Development and characterization of multi-component micro capsular system of non-steroidal anti-inflammatory formulation	CCOST-MRP	2006-2008	2.00
S Saraf	Ethnomedicinal survey and Phytochemical and Pharmacological studies on medicinal plants of Chhattisgarh	AICTE- RPS	2004-2006	12.00

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	NCNR*	DST, New Delhi	905.0	2012-17
*Institutional project with the participation of the five University Teaching Departments i.e. Life Sciences, Pharmacy, Biotechnology, Anthropology, Chemistry.				

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Funding Agency	Program	Period	Amount (INR in Lac)
Current; in the period of assessment: 2010-2015			
DST	FIST-Phase I	2010-2015	35.00
UGC	SAP-DRS - I	2011-2016	50.50
UGC	BSR-SAP	2012-2013	20.00
AICTE	MODROB	2013-2014	8.5
AICTE	MODROB	2013-2014	18.5
Previous; Prior to 2010			
AICTE	MODROB	2006-07	15.00

20. Research facility/ centre with:

a) State recognition	<ul style="list-style-type: none"> Cosmetic Testing Laboratory (Under FDA in process)
b) National recognition	<ul style="list-style-type: none"> UGC DRS-SAP supported department DST-FIST supported department AICTE-MODROB supported department Cosmetic Testing Laboratory (Under FDA in process)

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	SCOPUS	NON-SCOPUS	SCOPUS
o Number of papers published in peer reviewed journals (national / international)	118	83	10.72/ Faculty
o Monographs	-		
o Chapters in Books	10		
o Edited Books	02		
o Books with ISBN with details of publishers	06		
o Articles Number listed in International Database [documents, citations and h-index included from SCOPUS and Google Scholar; Google i10 index of the Institute] GOOGLE SCHOLAR ; h-Index (17); i10-Index since 2010 (31); Citations (1106)	SCOPUS	Google Scholar	10.72/ Faculty
	118	189	
o Citation Index – range / average [Google Scholar]	1 – 137		5.50
o Total citation [Google Scholar]	Google Scholar:1106		
o SNIP	See table below		
o SJR	See table below		

o Impact Factor – range / average	0 - 8.079			3.85
o h-index&i10-index[Google Scholar/ SCOPUS]	Faculty	SCOPUS	Google Scholar	
			h-index	I10-index
	S Saraf		21	42
	Swarnlata Saraf		23	61
	PK Suresh		07	05
	SJ Daharwal		04	00
	M Singh		11	11
	A Vyas		05	05
	D Singh		11	12
	V Jain		05	02
RJangde		06	03	

Journal	Year	SJR	IPP	SNIP
Journal of Controlled Release Joint Impact Factor: 8.07	2010	2.757	7.509	2.301
	2011	2.304	6.983	2.101
	2012	2.048	7.46	2.067
	2013	2.069	7.341	2.018
	2014	2.159	7.523	1.977
Ageing Research Review Joint Impact Factor: 7.628	2010	2.377	12	1.135
	2011	2.084	4.255	1.004
	2012	2.211	5.84	2.206
	2013	2.157	6.823	2.125
	2014	2.607	7.043	2.058
Nanomedicine: Nanotech, Biology and Medicine Joint Impact Factor:m 6.155	2010	1.505	5.648	1.608
	2011	1.637	6.369	1.723
	2012	1.953	7.154	2.067
	2013	1.808	6.919	1.933
	2014	1.649	6.201	1.683
Expert Opinion on Drug Delivery Joint Impact Factor: 4.896	2010	0.463	1.327	0.41
	2011	0.533	1.594	0.544
	2012	0.667	1.652	0.626
	2013	0.98	3.092	0.829
	2014	1.023	3.011	0.802

European Journal of Pharmaceutics & Biopharmaceutics Joint Impact Factor: 4.373	2010	1.702	4.415	1.925
	2011	1.537	4.375	1.894
	2012	1.697	4.92	1.936
	2013	1.355	4.447	1.676
	2014	1.309	4.196	1.533
Critical Reviews in Therapeutics: Drug carrier Systems Joint Impact Factor: 4.29	2010	1.314	3.361	1.063
	2011	0.949	3.324	0.879
	2012	0.953	3.412	1.304
	2013	0.799	3.324	0.823
	2014	0.963	3.658	0.936
Colloids and Surfaces B: Biointerface Joint Impact Factor: 3.5	2010	0.847	2.814	1.151
	2011	0.893	3.265	1.258
	2012	1.07	3.63	1.349
	2013	1.112	4.331	1.58
	2014	1.099	4.242	1.453
Steroids Joint Impact Factor: 2.64	2010	0.625	2.945	1.16
	2011	0.782	2.854	1.207
	2012	0.762	2.817	1.108
	2013	0.834	2.869	1.148
	2014	0.763	2.647	1.054
Journal of Bioactive and Compatible Polymers Joint Impact Factor 2.500	2010	0.689	2.107	0.774
	2011	0.936	2.842	1.002
	2012	0.747	2.333	1.092
	2013	0.682	2.512	0.876
	2014	0.875	2.588	0.848

Publications of Faculty in indexed Journals Retrieved from www.scopus.com (JIF: 2014 from <http://www.bioxbio.com>)

[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]

1. Saraf, Swarnlata, Saraf, S., Alexander, A., Dwivedi, S., Giri, T. K., & Tripathi, D. K. Approaches for breaking the barriers of drug permeation through transdermal drug delivery. **Journal of Controlled Release** 2012; 164 (1): 26-40. [F] [JIF: 8.079]
2. Pradhan, M., Singh, D., Singh, M.R. Novel colloidal carriers for psoriasis: current issues, mechanistic insight and novel delivery approaches, **Journal of Controlled Release** 2013, 170 (3), 380-395. [F] [JIF: 8.079]
3. Saraf, Swarnlata, Saraf, S., Alexander, A., Ajazuddin. Khan, JPoly (ethylene glycol)-poly (lactic-co-glycolic acid) based thermosensitive injectable hydrogels for biomedical applications. **Journal of Controlled Release** 2013; 172 (3): 715-29. [F] [JIF: 8.079]
4. Saraf, S., Saraf, Swarnlata, Khan, J., Alexander, A., Ajazuddin. Recent advances and future prospects of phyto-phospholipid complexation technique for improving pharmacokinetic profile of plant actives. **Journal of Controlled Release** 2013; 168 (1): 50-60. [F] [JIF: 8.079]
5. Saraf, Swarnlata, Saraf, S., Jeswani, G., Alexander, A., Qureshi, A., & Ajazuddin. Recent approaches for reducing hemolytic activity of chemotherapeutics agents. **Journal of Controlled Release**, 2015 211:10-21. [F] [JIF: 8.079]
6. Saraf, Swarnlata, Gupta A, Kaur CD. Matrix Metalloproteinase Enzymes and their naturally derived inhibitors: Novel targets in Photocarcinoma therapy. **Ageing Research Reviews**, 65–74. doi:10.1016/j.arr.2013.12.001 [F] [JIF: 7.628]
7. Das, S., Suresh, P. K., Desmukh, R. Design of Eudragit RL 100 nanoparticles by nanoprecipitation method for ocular drug delivery, **Nanomedicine: Nanotechnology, Biology, and Medicine** 6 (2010) 318–323. [F] [JIF: 6.155]
8. Das, S., Suresh, P. K. Nanosuspension: a new vehicle for the improvement of the delivery of drugs to the ocular surface. Application to amphotericin B, **Nanomedicine: Nanotechnology, Biology, and Medicine** 7 (2011) 242–247. [F] [JIF: 6.155]
9. Ajazuddin., Alexander, A., Khan, J., Giri, T. K., Tripathi, D. K., Saraf, Swarnlat., Saraf, S. Advancement in stimuli triggered in situ gelling delivery for local and

- systemic route. **Expert Opinion on Drug Delivery** 2012; 9 (12): 1573-92. [F] [JIF: 4.840]
10. Singh, D., Dubey, P., Pradhan, M., Singh, M.R. Nanoceramic carriers: versatile nanocarriers for protein and peptides. **Expert opinion in drug delivery**, 2013, 10(2):241-59. [F] [JIF: 4.840]
 11. Suresh, P.K., Sah, A.K. Nanocarriers for ocular delivery for possible benefits in the treatment of anterior uveitis: focus on current paradigms and future directions. **Expert opinion in drug delivery** 2014, 1-22. [F] [JIF: 4.840]
 12. Vyas, A., Gidwani, B. Synthesis, characterization and application of epichlorohydrin- β -cyclodextrin polymer." **Colloids and Surfaces: Biointerface**. 2014; Vol. 114: 130-137. [F] [JIF: 4.400]
 13. Saraf, Swarnlata, Saraf, S., (Alexander, A., Ajazuddin. Khan, J. Polyethylene glycol (PEG)-Poly(N-isopropylacrylamide) (PNIPAAm) based thermosensitive injectable hydrogels for biomedical applications. **European Journal of Pharmaceutics and Biopharmaceutics** 2014; 88(03): 575-85. [F] [JIF: 4.394]
 14. Singh, D., Srivastava, D., Pradhan, M., Kanwar, JR., Singh, MR. Inflammatory Bowel Disease: Pathogenesis, Causative Factors, Issues, Drug Treatment Strategies, and Delivery Approaches. **Critical Reviews™ in Therapeutic Drug Carrier Systems** 2015, 32 (3), 181-214. [F] [JIF: 4.259]
 15. Pradhan, M., Singh, D., Singh, MR. Development characterization and skin permeating potential of lipid based novel delivery system for topical treatment of psoriasis. **Chemistry and physics of lipids** 2015, 186, 9-16. [F] [JIF: 2.697]
 16. Pradhan, M., Singh, D., Murthy, SN., Singh, MR. Design, characterization and skin permeating potential of Fluocinolone acetonide loaded nanostructured lipid carriers for topical treatment of psoriasis. **Steroids** 2015, 101, 56-63. [F] [JIF: 2.697]
 17. Sah, AK., & Suresh, PK. Recent Advances in Ocular Drug Delivery, With Special Emphasis on Lipid Based Nanocarriers. **Recent Patents on Nanotechnology**, 2015, 9, 000-000. [F] [JIF: 2.575]
 18. Ajazuddin, Saraf, S. Applications of novel drug delivery system for herbal formulations. **Fitoterapia** 2010; 81 (7): 680-89. [F] [JIF: 2.466]
 19. Saraf, Swarnlata, Saraf, S., Ajazuddin, Alexander, A., Qureshi, A., Kumari, L., Vaishnav, P., Sharma, S. Role of herbal bioactives as a potential bioavailability enhancer for active pharmaceutical ingredients. **Fitoterapia** 2014; 97: 1-14. [F] [JIF: 2.466]
 20. Kanwar, JR., Roy, K., Patel, Y., Zhou, SF., Singh, MR., Singh, D., Nasir, M.. Multifunctional Iron Bound Lactoferrin and Nanomedicinal Approaches to Enhance Its Bioactive Functions. **Molecules** 2015, 20 (6), 9703-9731. [F] [JIF: 2.416]
 21. Vyas, A. Rosin: Recent advances and Potential applications in Novel Drug Delivery System. **Journal of Bioactive and Compatible Polymers**. [F] [JIF: 2.352]
 22. Das, S., Suresh, P, K., (2010). Formulation and In vitro evaluation of Amphotericin-B nanoparticle for ocular delivery. **Journal of Pharmacy and Pharmacology**, 62 (10), 1271-1272. [F] [JIF: 2.264]
 23. Saraf, S., Saraf, Swarnlata, Alexander, A., Ajazuddin., Khan, J. Formulation and evaluation of chitosan based long acting injectable hydrogel for PEGylated melphalan conjugate. **Journal of Pharmacy and Pharmacology** 2014; 66 (9):1240-50. [F] [JIF: 2.264]
 24. Saraf, S., Saraf, Swarnlata, Khan, J., Alexander, A., Ajazuddin. Luteolin-phospholipid complex: Preparation, characterization and biological evaluation. **Journal of Pharmacy and Pharmacology** 2014; 66 (10): 1451-62. [F] [JIF: 2.264]
 25. Saraf, S., Saraf, Swarnlata, Alexander, A. A comparative study of chitosan and poloxamer based thermosensitive hydrogel for the delivery of PEGylated melphalan conjugates. **Drug Development and Industrial Pharmacy** 2015, Early Online; 1-08 (doi:10.3109/03639045.2015.1011167). [F] [JIF: 2.106]
 26. Vyas, A., Gidwani, B. Inclusion complexes of bendamustine with β -CD, HP- β -CD and Epi- β -CD: In-vitro and in-vivo evaluation." **Drug development and Industrial Pharmacy**. 2015; 1-11. [F] [JIF: 2.106]
 27. Kumar, T., Jain, V. Antinociceptive and Anti-Inflammatory Activities of Bridelia Retusa Methanolic Fruit Extract in Experimental Animals. **The Scientific World Journal**. 2014, <http://dx.doi.org/10.1155/2014/890151>. [F] [JIF: 1.730]
 28. Vyas, A., Gidwani, B. Carrier based drug delivery system for acne." **The Scientific**

- world Journal.** Volume 2014 (February), Article ID 276260, 14 pages. [F] [JIF: 1.730]
29. Sahu, A.K., Kumar, T., & Jain, V. Formulation Optimization of Erythromycin Solid Lipid Nanocarrier Using Response Surface Methodology. **Bio Med Research International.** Volume 2014. [F] [JIF: 1.579]
 30. A, Vyas., Gidwani, B.A comprehensive review on cyclodextrin-based carriers for delivery of chemotherapeutic cytotoxic anticancer drugs. **Biomed Research International.** 2015; Article ID 198268. [F] [JIF: 1.579]
 31. Saraf, S., Gupta, A., Alexander, A., Khan, J., Jangde, M., & Saraf, Swarnlata Advancements and Avenues in Nanophytomedicines for Better Pharmacological Responses. **Journal of Nanoscience and Nanotechnology** 2015; 15 (6): 4070-79. [F] [JIF: 1.556]
 32. Vyas, A. Encapsulation of cyclodextrin complexed simvastatin in chitosan nanocarriers: an ovel technique for oral delivery, 251-259. **Journal of Inclusion Phenomena and Macrocyclic Chemistry**, Volume 66, Numbers 3-4, 2010. [F] [JIF: 1.488]
 33. Vyas A. Preparation, characterization and pharmacodynamic activity of supramolecular and colloidal systems of rosuvastatin–cyclodextrin complexes.” **Journal of Inclusion Phenomena and Macrocyclic Chemistry**, Volume 66, 2012, 251-259. [F] [JIF: 1.488]
 34. Sarwa, K. K., Suresh, P. K., Debnath, M., Ahmad, M. Z. Tamoxifen citrate loaded ethosomes for transdermal drug delivery system: Preparation and characterization. **Current Drug Delivery** 2013, 10 (4), 466-476. [F] [JIF: 1.478]
 35. Sarwa, K. K., Suresh, P. K., Rudrapal, M., Debnath, M. Penetration of tamoxifen citrate loaded ethosomes and liposomes across human skin: A comparative study with confocal laser scanning microscopy. **Current Drug Delivery** 2014. [F] [JIF: 1.478]
 36. Singh, M, R., Pradhan, K., Singh, D. Lipid Matrix Systems with emphasis on Lipid microspheres: Potent Carriers for Transcutaneous Delivery of Bioactives. **Current Drug Delivery** 2012, 9(3):243-54.04 [F] [JIF: 1.478]
 37. Ajazuddin. , Saraf, S. Evaluation of physicochemical and phytochemical properties of Safoof-E-Sana, a Unani polyherbal formulation. **Pharmacognosy Research** 2010; 2 (5): 318-22. [I] [JIF: 1.279]
 38. Saraf, Swarnlata , Sahu, S., Kaur, C, D., Saraf, S. Comparative Measurement of Hydration Effects of Herbal Moisturizers, **Pharmacognosy Research**, 2(3), 146-151, 2010. [I] [JIF: 1.279]
 39. Saraf, Swarnlata, Kaur, C, D.. In vitro SPF determination of herbal oils used in cosmetics, **Pharmacog. Research**, Vol 2, Issue 7, Jan-Feb, 22-25, 2010. [I] [JIF: 1.279]
 40. Shweta, K., Saraf, Swarnlata Formulation and Evaluation of Moisturizer Containing Herbal Extracts for the Management of Dry Skin, **Pharmacognosy Journal**, 2, 11, 409-418, 2010. [I] [JIF: 1.279]
 41. Saraf, Swarnlata, Kaur, C, D. Phytoconstituents as photoprotective novel cosmetic formulations, **Pharmacognosy Review**, 4 (7) , 1-11, 2010. [I] [JIF: 1.279]
 42. Ajazuddin. , Saraf, S. Legal regulations of complementary and alternative medicines in different countries. **Pharmacognosy reviews** 2012; 6 (12): 154-60. [I] [JIF: 1.279]
 43. Saraf, Swarnlata, Kapoor, S. Assessment of viscoelasticity and hydration effect of herbal moisturizers using bioengineering techniques, **Pharmacog.Mag**, Oct-Dec 2010 , 6, 24. [I] [JIF: 1.256]
 44. Ajazuddin. , Saraf, S. Development of Fingerprinting Methods of Balacaturbhadraka Churna: An Ayurvedic Formulation. **Pharmacognosy Journal** 2012; 4 (27): 20-24. [I] [JIF: 1.250]
 45. Saraf, Swarnlata, Saraf, S., Khan, J. Preparation and evaluation of luteolin-phospholipid complex as an effective drug delivery tool against GalN/LPS induced liver damage. **Pharmaceutical Development and Technology** 2015, Early Online; 1-12 (doi:10.3109/10837450.2015.1022786). [F] [JIF: 1.202]
 46. Vyas, A., Gidwani, B. Preparation and characterization of cyclodextrin complexed bendamustine encapsulated in PLGA nanospheres for sustained delivery in cancer.” **Pharmaceutical Development and Technology**; November 2014: 01-11. [F] [JIF: 1.202]

47. Das, S., Suresh, P, K. Drug Delivery to Eye: Special Reference to Nanoparticles., **International Journal of Drug Delivery**, 2, 2010, 12-21. doi:10.5138/ijdd.2010.0975.0215.02007. [F] [JIF: 1.02]
48. Saraf, Swarnlata, Kaur, C, D. Photoprotective herbal extract loaded nanovesicular creams inhibiting ultraviolet radiations induced photoaging. **International Journal of Drug Delivery**, (3) 699-711. [F] [JIF: 1.02]
49. Singh, D., Singh, M, R., Development of antibiotic and debriding enzyme loaded PLGA microspheres entrapped in PVA-Gelatin hydrogel for complete wound management, **Artificial Cells, Blood Substitutes, and Biotechnology**, 2012, 40(5), 345-53. [F] [JIF: 1.015]
50. Vyas, A., Gidwani, B. Nanostructured Lipid Carriers (NLCs) and their current application in targeted drug delivery.” **Artificial Cell, nanomedicine and biotechnology**. March 2014; 1-14. [F] [JIF: 1.015]
51. Singh, M, R., Saraf, S., Vyas, A., Jain, V., Singh, D. Innovative approaches in Wound healing: Trajectory and advances, **Artificial Cells, Blood Substitutes, and Biotechnology**, 2013, epub. Informa healthcare. [F] [JIF: 1.015]
52. Gupta, A., Kaur, C, D., Saraf, Swarnlata, Saraf, S. Formulation, characterization and evaluation of ligand conjugated biodegradable quercetin nanoparticles for active targeting ; 1 **Artificial Cells, Nanomedicine & Biotechnology**. [F] [JIF: 1.015]
53. Vyas, A., Gidwani, B. The Potentials of Nanotechnology based drug delivery system for treatment of ovarian cancer.” **Artificial Cell, nanomedicine and biotechnology**. 2013: 1-7. [F] [JIF: 1.015]
54. Singh, M, R., Pradhan, M., Chauhan, D., Nag, M., Singh, D. Vesicular carriers for transcutaneous delivery of bioactives. **Artificial cells, nanomedicine, and biotechnology**, 2013, 1-9. [F] [JIF: 1.015]
55. Singh, D., Singh, S., Sahu, J., Srivastava, S., Singh, M, R. Ceramic nanoparticles: Recompense, cellular uptake and toxicity concerns. **Artificial cells, nanomedicine, and biotechnology**, 2013,1-9. [F] [JIF: 1.015]
56. Vyas, A., Gidwani, B.. Preparation, Characterization and Optimization of Altretamine loaded solid lipid nanoparticles using Box-Behnken design and Response Surface Methodology”. **Artificial cell, nanomedicine and biotechnology**, September 2014: 01-10. [F] [JIF: 1.015]
57. Jangde, R., Singh, D. Preparation and optimization of quercetin-loaded liposomes for wound healing, using response surface methodology. **Artificial cells, nanomedicine, and biotechnology**, 2014, 1-7. [F] [JIF: 1.015]
58. Pradhan, M., Singh, D., Singh, M, R. Influence of selected variables on fabrication of Triamcinolone acetonide loaded solid lipid nanoparticles for topical treatment of dermal disorders. **Artificial cells, nanomedicine, and biotechnology**, 2014, 1-9. [F] [JIF: 1.015]
59. Vyas A. Oral Submicron Emulsion- A batter approach for oral delivery of BCS class-II drugs.” **Pharmacia**, Vol I, Issue 3 June 2012, 73-83. [I] [JIF: 0.971]
60. Kaur CD and Swarnlata Saraf. Topical vesicular formulations of C. longa extract on recuperating the ultraviolet radiations damaged skin, **Journal of Cosmetic Dermatology**, 10, 260–265, 2011. [F] [JIF: 0.876]
61. Saraf, Swarnlata., Jeswani, G., Kaur, C, D., Saraf, S. Development of novel herbal cosmetic cream with Curcuma longa extract loaded transfersomes for antiwrinkle effect. **African Journal of Pharmacy and Pharmacology** 2011; 5 (8): 1054 - 62. [F] [JIF: 0.840]
62. Suresh, P. K., Singh, P., Saraf, S. Novel topical drug carriers as a tool for treatment of psoriasis: Progress and advances. **African Journal of Pharmacy and Pharmacology**.2013; 7 (5): 138-147. [F] [JIF: 0.840]
63. Tirkey, R. Effect of cocculus hirsutus leaves extract on freunds complete adjuvant and formaldehyde induced arthritis.” **International Research Journal of Pharmacy**, 2012, 2(3), ISSN 2230-8407. [I] [JIF: 0.751]
64. Vyas. A. A Schematic Overview on Computational Methodologies for Designing Synthetically Biological Products. **Curr. Synthetic Sys Biol**. 2015 vol. 3: 122. [I] [JIF: 0.75]
65. Saraf, Swarnlata, Kaur, C D.Photochemoprotective activity of alcoholic extract Of Camellia sinensis, **International Journal of Pharmacology**, 7, 3, 400-404. 2011. Doi:

- 10.3923/ijp 2011. [I] [JIF: 0.710]
66. Devi, V., Singh, G., Reddy, G, V, S, K., Daharwal, S, J., Subbarao, C, H, V. A Review on Efflux Time. Middle-East Journal of Scientific Research. 9 (1), 57-63. [I] [JIF: 0.690]
67. Pandey, R., Shukla, S, S., Saraf, S., Saraf, Swarnlata Standardization and validated high-performance thin-layer chromatographic fingerprint method for quantitative determination of plumbagin in a traditional Indian formulation. JPC - Journal of Planar Chromatography - Modern TLC 2013; 26 (5): 440-44. [F] [JIF: 0.670]
68. Jangde, R., Sahu, R. Design and evaluation of an oral floating matrix tablet formulation of Salbutamol sulphate, Tropical Journal of Pharmaceutical Research, 13 (4): 569-576. 0.589 1 16 Yes
69. Saraf, Swarnlata, Kaur, C, D. Skin Care Assessment On The Basis Of Skin Hydration, Melanin, Erythema and Sebum at Various Body Sites, Int J Pharm Pharm Sci, Vol 3, Suppl 4, 209-213, 2011. 0.55 3 20 Yes
70. Manhar, S., Suresh, P. K. Bioadhesive buccal gels impregnated with fluconazole: formulation, in vitro and ex vivo characterization. **Journal of Applied Pharmaceutical Science**, 2014, 4(3), 15-19. [I] [JIF: 0.537]
71. Suresh, P. K., Manhar, S. Diltiazem-loaded buccoadhesive patches for oral mucosal delivery: Formulation and in vitro characterization. **Journal of Applied Pharmaceutical Science**, 2013, 3(8), 75-79. [I] [JIF: 0.537]
72. Suresh, P. K., Dewangan, M. K. Development and in vitro characterization of metronidazole loaded chitosan microspheres for delivery to periodontal pocket. **Journal of Applied Pharmaceutical Science** 1 (08), 165-169.2011. [I] [JIF: 0.537]
73. Shukla S, S., Saraf, Swarnlata, Saraf, S. TLC densitometric fingerprint development and validation of 6-gingerol as marker in poly-herbal ayurvedic formulations. **Latin American Journal of Pharmacy** 2011; 30 (4) 647-53. [I]
74. Suresh, P. K., Chandy, A. pH-Responsive and Mucoadherent Microparticles for Oral Delivery of Serratiopeptidase: Development and In Vitro Characterization. **Research Journal of Pharmaceutical, Biological and Chemical Sciences**. Volume 2 Issue 4 (2011), 622-675. [I] [JIF: 0.35]
75. Suresh, P. K., Dewangan, M. Ciprofloxacin HCl loaded cubic phase gel for periodontal intrapocket administration, **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2012,3(4), 869-877 (ISSN: 0975-8585). [I] [JIF: 0.35]
76. Suresh, P. K., Sah, A. K. Free Radicals: Generation, Defenses and Implications in Various Diseases, **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2013 RJPBCS Volume 4 Issue 2 Page No. 247-269. [I] [JIF: 0.35]
77. Vyas, A., Gidwani, B. UV-Spectrophotometric method for estimation of Altretamine in bulk and pharmaceutical solid dosage form. **Journal of atoms and molecules**. 2015; 5 (1): 860-871. [I] [JIF: 0.347]
78. Verma, N., Gupta, A., Saraf, Swarnlata, Saraf, S. Potential of Flavanoidal Rich Herbal Formulation in Treating Skin Aging Complications. **J. Atoms and Molecules** 2015, 5(2). [I] [JIF: 0.347]
79. Saraf, Swarnlata, Chhabra, S, K., Kaur, C, D., Saraf, S. Development of photochemoprotective herbs containing cosmetic formulations for improving skin properties. **Journal of cosmetic science** 2012; 63 (2): 119-31. [F] [JIF: 0.28]
80. Singh, D., Singh, M., Saraf, Swarnlata, Dixit, V, K., Saraf, S. Optimization and Characterization of Gentamicin Loaded Chitosan Microspheres for Effective Wound Healing. **Indian J Pharm Educ Res** 2010; 44 (2): 171-182. [I] [JIF: 0.27]
81. Jangde, R., Daharwal, S, J., Sahu, R, K., Singh, J. Formulation Development and evaluation of suspension of Gatifloxacin using suspending agent. **Pharmacologyonline**. 2: 1161-1170. [I] [JIF: 0.16]
82. Jangde, R., Sahu, R. Screening of chloroxylon swietenia Dc root for antibacterial and anthelmintic activities, **Pharmacologyonline** 1,544-552. [I] [JIF: 0.16]
83. Jangde, R., Sahu, R. Evaluation of antidiabetic potential of ougeinia oojeinensis leaves in streptozotocin-induced-diabetic rats, **Pharmacologyonline** 2:2011, 1046-1052 [I] [JIF: 0.16]
84. Jangde, R., Sahu, R. Evaluation of in vitro antioxidant activity of ougeinia oojeinensis leaves, **Pharmacologyonline** 2,1188 -1195. [I] [JIF: 0.16]
85. Jangde, R., Sahu, R. Formulation and evaluation of cyperus rotundus and cucumis

- sativus based herbal face cream, **Pharmacologyonline** 2, 1238-1244. [I] [JIF: 0.16]
86. Jangde, R., Sahu, R. Design and Evaluation of HPMC and xanthan gum-based sustained release matrix tablets of theophylline, **Pharmacologyonline** 2,463-469. [I] [JIF: 0.16]
87. Jangde, R., Sahu, R. Preparation and evaluation of herbal cosmetic Cream, **Pharmacologyonline** 2, 1258-1264. [I] [JIF: 0.16]
88. Jangde, R., Sahu, R. Formulation and Development and evaluation of Sustained Release Matrix Tablets Containing Salbutamol sulphate, **Pharmacologyonline** 2, 1197-1203. [I] [JIF: 0.16]
89. Jangde, R., Sahu, R. Evaluation of wound healing activity of crude extract of vitex negundo on rats, **Pharmacologyonline** 2, 1212-1216. [I] [JIF: 0.16]
90. Jangde, R., Singh, D. Investigation of Drug-Excipients Compatibility of Ellagic Acid for Development of Formulation Containing Liposomes. **UK Journal of Pharmaceutical and Biosciences** 2013, 2 (4), 15-18. [I]
91. Saraf, S., Saraf, Swarnlata, Ghosh, A., Kaur, C, DNovel Modified Nanosystem Based Lymphatic Targeting, **Research Journal of Nanoscience and Nanotechnology**. 1(2): 60-74, 2011. pISSN: 1996-5044. [I]
92. Suresh, P. K., Das, S Ion-paired Drug Delivery: An Avenue for Bioavailability Improvement. **Sierra Leone Journal of Biomedical Research**, 2011, 3(2), 70-76. [F]
93. Saraf, Swarnlata, Jharaniya, M., Gupta, A., Jain, V., Saraf, S. Herbal hair cosmetics: Advancements and recent findings. **World Journal of Pharmaceutical Research** 2014; 3(2): 3278-3294. [I]
94. Suresh, P. K., Dewangan, M. Ciprofloxacin loaded glycerylmonooleate periodontal gels: Formulation and in vitro evaluation, **International Journal of Comprehensive Pharmacy** 05 (11), 2012, 1-4. (ISSN 0976-8157) [I]
95. Bhargava, P., Bhargava, S., Daharwal, S, J. Self Emulsifying Drug Delivery System: An Approach To Improve The Solubility Of Poorly Water Soluble. **Advance Research in Pharmaceutical and Biological**. 1(1), 1-9. [I]
96. Saraf, Swarnlata, Sahu, S. Bioengineering Techniques for the Efficacy Studies of Herbal cosmetics, 1-12. **Research Journal of Tropical and Cosmetic Science**, 1,1, 2010. [I]
97. Thakur DS, Peeyush Kumar P, Adeep Kujur, Kumar P, Kumar R, Contribution of Male Contraception in **World Population**, **J. Pharm. Sci. & Res.** Vol.2 (7), 2010, 384-393. [I]
98. Pandey, R, K., Saraf, S., Saraf, Swarnlata. Development of fingerprint for single component analysis of an ayurvedic formulation (Sitopaladi Churna) by High Performance Liquid Chromatography, **Der Pharmacia Lettre**, 2 (2), 464-470, 2010. [I]
99. Singh, D., Singh, M, R., Dixit, V, K., Saraf, Swarnlata, Saraf, S. Effect of formulation variables on preparation of GM loaded PLGA microspheres, **Indian drugs**. 2010, 47:12; 35-44. [I]
100. Singh, D., Singh, M., Saraf, Swarnlata, Dixit, V, K., Saraf, S. Formulation optimization of metronidazole loaded chitosan microspheres for wound management by 3-Factor, 3-level box-behnken design. **Micro and Nanosystems** 2010; 2 (2): 70-77. [F]
101. kujur A, Dangi JS, Thakur DS, Kumar P. Formulation, Characterization and In Vitro Evaluation of Hollow Floating Microsphere Containing Ketoconazole, **Inventi Rapid: NDDS** Vol. 1, Issue 2,2010. [I]
102. Suresh, P. K., Sharma, S. Formulation, in vitro characterization and stability studies of self microemulsifying drug delivery systems of domperidone, **International Journal of Innovative Pharmaceutical Research** 2010, 1(4), 66-73. (ISSN: 0976-4607). [F]
103. Formulation, Optimization of Gentamicin loaded PLGA microspheres using selected variables. **Indian Drugs** 2010; 47 (12): 35-43. [I]
104. Jain, V., Vyas, A., Saraf, S., Saraf, Swarnlata. HPLC determination of Piperine in 'Trikatu Churna' a potent Ayurvedic Formulation for routine quality control." **Asian J. Research Chem** 3(4): 2010, 183-186. [I]
105. Shukla, S, S., Saraf, Swarnlata, Saraf, S. TLC densitometric fingerprint development and validation of Berberine as markers in poly-herbal Unani formulations. 8-18. **Der Pharma Chemica**, 2(3), 2010. [I]
106. Saraf, Swarnlata, Jain, S. Type 2 diabetes mellitus- Its global prevalence and

- therapeutic strategies, **Diab Met Syndr: Clin Res Rev**, 4 (1), 48-56, 2010. [F]
107. Dubey, R. D., Ahmad, A. R., Paroha, S., Sahu, P. K., Verma, S., Daharwal, S. J., Reddy, S. L., N, Prasad, Qureshi, M, S. A New Profile of Therapeutic Potential and Toxicities of Antineoplastic Drugs. **Research Journal of Pharmacology and Pharmacodynamics**. 2(6); 370-375: 2010. [I]
108. Daharwal, S.J, Dubey, R. D., Paroha, S., Wani, V. K., Pandey, A. K., Sahu, P.K., Verma, S. In Vitro Comparative Studies of Anthelmintic Activity of *Allium sativum* and *Ficus religiosa*. **Research Journal of Science and Technology**. 2(4); 84-86: 2010. [I]
109. Daharwal, S.J., Madhukar, V., Biswas, D. K., Verma, A. Selection of Percentage of Polymer for Development of Floating Matrix Tablet of Metoclopramide Hydrochloride. **Research J. Pharma. Dosage Forms and Tech**. 2(5); 229-234. [I]
110. Khan, J., Ajazuddin, Vyas, A., Singh, M., Singh, D. Acute and Chronic Effect of *Hibiscus rosa sinensis* Flower Extract on Anxiety Induced Exploratory and Locomotor Activity in Mice.” **Journal of Plant Sciences** 6(2): 2011, 102-107. [F]
111. Suresh, P. K., Suryawani, S. K., Dewangan, D. Chitosan-based interpenetrating polymer network (IPN) hydrogels: a potential multicomponent oral drug delivery vehicle. **International Journal of Comprehensive Pharmacy** 02 (08), 2011, 1-8. (ISSN 0976-8157) [I]
112. Saraf, Swarnlata, Rathi, R., Kaur, C. D., Saraf, S. Colloidosomes an Advanced Vesicular System in Drug Delivery. **Asian Journal of Scientific Research** 2011; 4 (1): 1-15. [F]
113. Saraf, Swarnlata, Patel, D.R., Kaur, C.D., Saraf, S. Cytoskeleton Analysis as Target for Bioactives, **Trends in Applied Sciences Research**. 6 (8):782-793, 2011. [F]
114. Vyas, A., Shukla, S. S., Patel, R., Pandey, R., Jain, V., Singh, D., Nagori, B. P. Development and Validation of Spectrophotometric Method for Estimation of Cephalexin in Bulk and Tablet Dosage Forms.” **Oriental Journal of Chemistry**, 2011, Vol. 27, No. (1): Pg. 359-362 [I]
115. Pandey, R., Saraf, S., Saraf, Swarnlata. Densitometry Method for Determination of Cinnamaldehyde in a Traditional Indian Formulation. **Asian Journal of Research in Chemistry** 2011; 4 (12): 1953-56. [I]
116. Singh, D., Singh, M. Development of Delivery Cargoes for Debriding Enzymes Effective in Wound Healing. **Trends in Applied Sciences Research** 2011; 6 (8): 863-876. [F]
117. Vyas A. Evaluation of Antipyretic Potential of *Aegle marmelos* (L.) Correa leaves.” **Oriental Journal of Chemistry**, 2011, Vol. 27, No. (1): Pg. 253-257 [I]
118. Suresh, P. K., Panik, R. Ethosomes as carrier for the skin delivery of anti-leishmanial agent Amphotercin-B: Formulation and characterization. **International Journal of Drug Formulation and Research** 2(6) 2011, 256-264 (ISSN 2229-5054). [I]
119. Singour R., Kapoor, S., Saraf, S., Saraf, Swarnlata. Formulation and characterization of herbal cosmetic multiple emulsion. **Journal of Research and Education in Indian Medicine** 2011; 17 (1-2): 23-27. [I]
120. Saraf, Swarnlata, Hargude, S. M., Kaur, C. D., Saraf, S., Formulation and Evaluation of Herbal Shampoo Containing Extract of *Allium sativum*. **Research Journal of Topical and Cosmetic Sciences** 2011; 2 (1): 18-20. [I]
121. Suresh, P. K., Sharma, S. Formulation and in Vitro Characterization of Self-Nanoemulsifying Drug Delivery System of Cinnarizine. **International Journal of Comprehensive Pharmacy** 02 (09), 2011, 1-6. (ISSN 0976-8157) [I]
122. Singh, D., Singh, M. R., Saraf, S. Formulation Optimization of Controlled Delivery System for Antihypertensive Peptide using Response Surface Methodology. **American Journal of Drug Discovery and Development**, 1(3): 174-187, 2011. [F]
123. Shukla, S., Saraf, S. Fundamental aspects and basic concept of siddha medicines, **Systematic Reviews in Pharmacy**, 2,1, 2011, 48-54. [I]
124. Saraf, Swarnlata, Saraf, S., Singh, M., Singh, D. Influence of selected formulation variables on the preparation of peptide loaded lipospheres, **Trends in medical research**, 2011, 6 (8), 863-876. [F]
125. Saraf, Swarnlata, Gupta, D., Kaur, C. D., Saraf, S. Microneedles: From Micromachining to Transdermal Drug Delivery, **International journal of Current biomedical and Pharmaceutical Research (IJC BPR)**, 1(2): 80 – 87, 2011. [I]
126. Suresh, P. K., Prasad, S. Mucoadhesive submicron emulsion: a novel approach for

- periodontal diseases, **International Journal of Current Pharmaceutical Research**, 2011, 3(2), 80-90. (ISSN- 0975-7066). [I]
127. Suresh, P. K., Dewangan, D. Nanosized emulsions as a drug carrier for ocular drug delivery: A review. **Journal of Innovative Trends in Pharmaceutical Sciences** 2(2) 2011, 59-75 (ISSN: 0975-8593). [I]
128. Suresh, P. K., Dewangan, D., (2011). Ophthalmic Delivery System for Dexamethasone: An overview. **International Journal of Innovative Pharmaceutical Research**. 2011, 2(4), 161-165. [I]
129. Jain, T., Dubey, D., Jain V., Dashora, K. Regulatory Status of Traditional Medicines in Different Countries: An Overview, **Research J. Pharm. and Tech.** 4(7): 2011, 1007-1015. [I]
130. Saraf, Swarnlata, Gupta, D., Kaur, C, D., Saraf, S. Sphingosomes a novel approach to vesicular drug delivery, **Research J. Pharm. and Tech.** 4(5): May 2011, 661-666. [I]
131. Suresh, P. K., Koner, P., Das, S. Timolol lipophilic ion-pair incorporated submicron emulsion: A potential ocular drug delivery system. **International Journal of Research in Pharmaceutical and Biomedical Sciences**, 2011, 2(4), 1686-1691. (ISSN: 2229-3701) [I]
132. Swarnlata, Saraf, Saraf, S., Jain, V., Vyas, A., Singh, D., Singh, M., Shukla, S, S., Pandey, R. TLC Densitometric Method for the Estimation of Piperine in Ayurvedic Formulation Trikatu Churna. **Oriental Journal of Chemistry** 2011; 27 (1): 301-04. [I]
133. Jain, V., Vyas, A., Saraf, S., Saraf, Swarnlata. TLC densitometric methods for quantification of gallic acid in Triphala churna for routine quality control. **Research Journal of Pharmacy and Technology** 2011; 4 (2): 230-233. [I]
134. Dubey, R, D., Paroha, S., Wani, V, K., Pandey, A, K., Verma, S., Daharwal, S, J., Dewangan, D., Reddy, P.SLN Proteomics in Computer-assisted Molecular Design. **International Journal of PharmTech Research**. 3 (1), 50-57. [I]
135. Jangde, R., Daharwal, S,J. Compatibility Study of Gatifloxacin with Various excipients. **Research Journal of Pharmacy and Technology**. 4 (8), 1216-1218. [I]
136. Dubey, R,D., Chandraker, G., Sahu, P, K., Paroha, S., Sahu, D, K., Verma, S., Daharwal,S, J. Computer Aided Drug Design: A Review. **Research Journal of Engineering and Technology**. 2 (3), 104-108. [I]
137. Jangde, R., Daharwal, S, J., Herbal sunscreen: An overview. **Research Journal of Topical and Cosmetic Sciences**. 2 (2), 35-39. [I]
138. Jangde, R., Daharwal, S, J., Sahu, R, K., Singh, D. Formulation and characterization of tasteless dispersible tablet containing Ampicillin and cloxacillin. **Biosciences Biotechnology Research Asia**. 8(2): 801-805. [I]
139. Jangde, R., Daharwal, S,J. Compatibility Studies Between Gatifloxacin and Pharmaceutical excipients through differential Scanning calorimetry and infra red Spectroscopy, **Research J.Pharm.Tech.**4 (7), 1164-1166. [I]
140. Jangde, R. An Overview of Resealed Erythrocyte for Cancer Therapy, **Asian J. Res. Pharm. Sci.** 1(4), 83-92. [I]
141. Jangde, R., Daharwal, S, J., Sahu, R, K., Singh, D. Development and Characterization of ethylcellulose coated microcapsules for controlled release of Ampicillin, **Biosciences, Biotechnology Research Asia** 8(2), 801-805. [I]
142. Jangde, R. Microsponges for colon targeted drug delivery system: An overview, **Asian J. Pharm. Tech.** 1(4) 87-93. [I]
143. Jangde, R. Colonic Drug Delivery of New Approaches, **Research J. Pharm. Dosage Forms and Tech.** 3(6): 2011, 241-246. [I]
144. Jangde, R. magnetically modulated Drug Delivery Systems: An Overview, **Research J. Pharm. and Tech.** 4(11), 1649-1657. [I]
145. Jangde, R., Matrix metalloproteinase: An overview, **Research J. Science and Tech.;** 3(6), 304-310. [I]
146. Jangde, R., Sahu, R. Formulation, development and evaluation of Pregabalin sustained release matrix tablets, SRL, Scholars Research Library, **Der Pharmacia Lettre**, 3(5), 326-331. [I]
147. Tiwle, R., Ajazuddin, Giri, T, L., Tripathi, D, K., Jain, V., Alexander, A. An exhaustive review on solubility enhancement for hydrophobic compounds by possible application of novel techniques, **Trends in Applied Science Research**. 5; 2012: 596-619. [I]

148. Vyas A. Chervil: A Multifunctional Miraculous Nutritional Herb.” **Asian Journal of Plant Science** 2012; 11 (4): 163-171. [I]
149. Shukla, S, S., Saraf, S., Saraf, S. Development and validation of spectrophotometric fingerprint method of 6–gingerol in herbal formulation: Talisadi Churna. **Research Journal of Pharmacy and Technology** 2012; 5 (1): 138-40. [I]
150. Kaur CD and Swarnlata Saraf. Development of photoprotective creams with antioxidant polyphenolic herbal extracts, **Research J Medicinal plant**, 6, 1, 83-91, 2012. eISSN: 2151-7924, pISSN: 1819-3455 [I]
151. Jain, V., Daharwal, S. J., Jain, T., Saraf, S., Saraf, Swarnlata. HPTLC methods for quantification of gallic acid in Bhuvneshvara vati for routine quality control. **Asian Journal of Research In Chemistry** 2012; 5 (2): 193-196. [I]
152. Vyas A. Importance of Pharmacovigilance in Indian Pharmaceutical Industry.” **Asian Journal of Research in Pharmaceutical Sciences**. 2012; 1(1): 04-08. [I]
153. Madhukar, V., Suresh, P. K., Biswas, D. K. Nicotine dependence diagnosis methods. **International Journal of Herbal Drug Research**, 2012, 1(3) 34-41. (ISSN: 2249-8990). [I]
154. Rajput, D, S., Alexander, A., Jain, V., Giri, T, K., Tripathi, D, K., Ajazuddin. Novel integrated approach for the strategic delivery of hydrophobic drugs by the use of self emulsifying drug delivery system, **Journal of Applied Sciences**, 12(6), 502-517, 2012. [I]
155. Vyas, A., Das, S, K., Singh, D., Sonkar, A., Gidwani, B., Jain, V., Singh, M. Recent Nanoparticulate Approaches of Drug Delivery for Skin Cancer.” **Trends in Applied Sciences Research** 7(8): 620-635, 2012. [I]
156. Shukla, S, S., Saraf, S., Saraf, Swarnlata Simple and Rapid Spectrofluorometric Fingerprint Development of Quinine in Unani Formulation. **Asian Journal of Research in Chemistry** 2012; 5 (1): 14-17. [I]
157. Jain, V., Daharwal, S. J., Jain, T., Saraf, S., Saraf, Swarnlata Spectrophotometric method for routine quality control of Ayurvedic formulation Drakshadi gutika. **Research J. Pharm. and Tech.** 2012; 5 (2): 285-287. [I]
158. Suresh, P. K., Sharma, S., Rasheed, A. Self-nanoemulsifying systems: An emerging technology to address the solubility issues of drugs. **The Global Journal of Pharmaceutical Research**, 2012, 1(4), 869-884. (ISSN: 2277-5439). [I]
159. Daharwal, S, J., Sahu, B, P. Chewing Gum as Novel Approach for Delivery of Medicament: A Review. **Research J. Science and Tech.** 4(5): 220-228. [I]
160. Porwal, V., Bhargava, S., Bhaduria, R.S., Shukla, S, S., Daharwal, S.J. Formulation and In-Vitro Characterization of Self Emulsifying Drug Delivery System of Cisapride. **Advance Research in Pharmaceutical and Biological.** 2(4), 324-328. [I]
161. Singh D, Patel S, Nag M, Dahrwal SJ, Singh M. An Overview of Diabetes mellitus with Emphasis on Non Invasive Techniques of Insulin Delivery, **Research Journal of Science and Technology** 5(4): Oct-Dec, 2013. [I]
162. Sahu S, Saraf S, Kaur CD, Saraf, Swarnlata. Biocompatible Nanoparticles for Sustained Topical Delivery of Anticancer Phytoconstituent Quercetin. **P. Journal of Biological Sciences** 2013; 16: 601-09. [I]
163. Saraf, Swarnlata. Continuing Pharmacist Education Need to Be More in India, **RIPER PDIC Bulletin**, July- August, 2013, Volume 4, issue 34, 12-13. [I]
164. Saraf, Swarnlata, Gupta, A., Kaur, C, D., Jangde, M., Saraf, S. Dermatological consequences of Photosensitization with an approach to treat them naturally; **Pakistan Journal of Biological Sciences**; 2013. [I]
165. Saraf, Swarnlata, Saraf, S., Shrivastava, S. Ethosomes as smart herbal formulation for wrinkles. **Journal of Ravishankar University** 2013; 9(18): 24-26. [I]
166. Saraf, Swarnlata, Gupta, A., Saraf, S. Exploration of novel targets for effective extracellular matrix therapy through herbal drugs, **Pharma Times**, September 2013. [I]
167. Jain, V., Jain, T., Saraf, S., Saraf, Swarnlata. HPTLC method for routine quality control of Ayurvedic formulation Drakshadi gutika. **Asian J Pharm Ana** 2013; 3 (4): 111-14. [I]
168. Nag, M, K., Patel, S., Panik, R., Shrivastava, S., Daharwal, S, J., Singh, M, R., Singh, D. Lung Cancer Targeting: A Review, **Research J. Pharm. and Tech.** 6(11): 2013, 1302-1306. [I]
169. Singh, M, R., Nag, M, K., Patel, S., Daharwal, S, J., Singh, D. Novel Approaches for

- Dermal and Transdermal Delivery of Herbal Drugs, **Research J. Pharmacognosy and Phytochemistry** 2013; 5(6): 271-279 [1]
170. Patel, S., Nag, M, K., Daharwal, S, J., Singh, M, R., Singh, D. Plant Toxins: An Overview, **Research Journal of Pharmacology and Pharmacodynamics (RJPPD)**. 5(5), 2013, 283-288. [1]
171. Kumar, T., Larokar, Y, K., Jain, V. Standardization of different marketed brands of Ashokarishta: An Ayurvedic formulation. **Journal of Scientific and Innovative Research** 2013; 2 (6): 993-998. [1]
172. Vyas A. Technologies to counter poor solubility issues: An updated Review.” **Research Journal of Pharmacy and Technology**. Volume 6 (11) November 2013; Page – 1258-1270 [1]
173. Singh, D., Nag, M, K., Patel, S., Pradhan, M., Shrivastava, S., Daharwal, S, J., Singh, M, R. Treatment Strategies in Burn Wounds: An Overview **Research J. Pharmacology and Pharmacodynamics**; 5(6): 2013; 341-352. [1]
174. Daharwal, S, J. Development and Validation of UV Spectrophotometric Method for Simultaneous Estimation of Diazepam and Propranolol in Bulk Drug and Its Formulations. **Asian J. Pharm. Ana.** 3(1): 20-23. [1]
175. Daharwal, S, J., Thakur, V, D., Shrivastava, S., Sahu, B, P. Designing and Optimization of medicated chewing gum of Ambroxol HCl by using 32 Factorial design. **Asian J. Pharm.** 3(3): 118-120. [1]
176. Daharwal, S, J., Thakur, V, D., Shrivastava, S., Sahu, B, P. Designing and Optimization of Modified Dissolution Apparatus for Evaluation of Medicated Chewing Gum of Ambroxol HCl. **Asian J. Pharm. Research.** 3(3): 141-143. [1]
177. Daharwal, S, J., Jangdey, R., Thakur, V, D., Shrivastava, S., Sahu, B, P. Compatibility Study of Ambroxol HCl Drug-Excipients by Using IR Spectroscopy. **Asian J. Pharm. Ana.** 3(3): 98-101. [1]
178. Daharwal, S, J., Thakur, V, D., Sahu, B, P. The preformulation study of Ambroxol HCl for formulation of medicated chewing gum. **Asian Journal of Research in Chemistry.** 6 (9), 868-870, [1]
179. Daharwal, S, J., Jangdey, R., Thakur, V, D., Shrivastava, S., Sahu, B, P. Development and Characterization of Medicated Chewing Gum Containing Ambroxol HCl for Treatment of Bronchitis. **Research J. Pharma. Dosage Forms and Tech.** 5(5); 295-299: [1]
180. Daharwal, S, J., Naidu, R. A Review: Quality Management and Their Concepts. **Asian Journal of Management.** 4 (4), 249-253. [1]
181. Lathiyare, K, B., Jain, V. Development and characterization of karanj oil based proneosomal gel for topical delivery. **Research journal of pharmacy and technology**. issn-0974/3618, Dec2014, pp959-62. [1]
182. Saraf Swarnlata, Gupta A, Kaur CD, Jangde M, Saraf S. Dermatological Consequences of Photosensitization with an Approach to treat them Naturally. **Pakistan Journal of Biological Sciences** 2014; 17 (2): 161-72. [1]
183. Suresh, P. K., Kurrey, A., Singh, M. R. Hollow microspheres as a drug carrier: An overview of fabrication and characterization techniques. **Chronicles of Young Scientists** 2014, 5(1), 1-10. [1]
184. Kumar, T., Sahu, A., Jain, V. In vitro screening of lannea coromandelica for antifilarial activity on cattle filarial parasite setaria cervi. **Indian drugs.** 2014; 51(8); 28-34. [1]
185. Suresh PK, Barsa G, Sah AK and Daharwal SJ. Ocular implants as drug delivery device in ophthalmic therapeutics: An Overview, **Research J. Pharm. and Tech.** 7(6): June 2014, 665-676. [1]
186. Suresh, P. K., Sah, A. K. Patent Perspectives for Corticosteroids Based Ophthalmic Therapeutics, **Recent Patents on Drug Delivery & Formulation** 2014, 8, 206-223. [1]
187. Suresh, P. K., Sah, A. K., Daharwal, S. J. Role of free radicals in ocular diseases: An overview, **Research J. Pharm. and Tech.** 7(11): November 2014, 1330-1344. [1]
188. Sah, A. K., Jangdey, M. S., Daharwal S. J. Tablet Coating Technology: An Overview. **Asian Journal of Pharmacy and Technology.** 4 (2), 83-97. [1]
189. Jangdey, M. S., Gupta, A., Sah, A. K., Daharwal, S. J. Role of antioxidants in developing novel delivery systems as longevity therapy. **Research J. Science and**

- Tech.** 6(3): 119-127. [1]
190. Jangdey, M. S., Gupta, A., Sah, A. K., Daharwal, S. J. Floating: A Site Specific Drug Delivery System. **Research J. Pharma. Dosage Forms and Tech.** 6(3); 149-155, [1]
 191. Singh, V. D., Daharwal, S. J., Suresh, P. K. A Review of Instrumental Analytical Methods to Assay Active Ingredients in Multicomponent Pharmaceutical Formulations. **Columbia Journal of Pharmaceutical Sciences.** 1(1); 27-39. [1]
 192. Singh, V. D., Daharwal, S. J. Analytical Methods for Quantitative Estimation of Ambroxol HCl in Pharmaceutical Preparation: A Review. **Research J. Pharmacy and Tech.** 7(10); 1208-1219. [1]
 193. Jangde, R., Singh, D., Singh, M. Development and Determination of Rutin by spectrophotometric method. **Biomedical and Pharmacology Journal,** 7(2):1-6. [1]
 194. Jangde, R., Singh, D. Compatibility Studies of Quercetin with Pharmaceutical Excipients Used in the Development of Novel Formulation. **Research J. Pharm. and Tech,** 7(10):1101-1105. [1]
 195. Jangde, R., Singh, D. Development and Determination of Quercetin by spectrophotometric method. **Asian Journal of traditional Medicine,** 2014, 9(6):20-26. [1]
 196. Lathiyare, K. B., Jain, V. An exhaustive review on herbals used in diabetes mellitus. **International journal of pharmaceutical science** letter.vol-5, issue -3, 2015, issn-2277-4564. [1]
 197. Lathiyare, K. B., Suresh, P. K., Jain, V. Development and in vitro characterization of piroxicam loaded emulgel for topical delivery. **International journal of pharmacy pharmaceutical research,** vol.2, feb-2015, pp-18-32. [1]
 198. Daharwal, S.J., Singh, V, D. New spectroscopy methods development for simultaneous estimation of Benazepril and Hydrochlorothiazide in pharmaceutical dosage form. **Columbia Journal of Pharmaceutical Sciences.** 2(1); 01-05. [1]
 199. Daharwal, S.J., Singh, V, D. Estimation of binary mixtures of Captopril and Hydrochlorothiazide by using chemometric assisted method. **Asian Journal of Pharmacy and Technology.** 5 (2), 79-82[1]
 200. Daharwal, S.J., Singh, V, D. Development of classical least square method for the determination of Candensartan and Hydrochlorothiazide in tablet dosage form. **Asian Journal of Pharm. Research.** 5 (2), 90-95. [1]
 201. Daharwal, S.J., Singh, V, D. Development of chemometric assisted methods for Simultaneous estimation of Ternary mixture of Telmisartan hydrochloride, Amlodipine besylate and Hydrochlorothiazide. **Asian Journal of Pharmacy and Technology.** 5 (2), 122-126. [1]
23. Details of patents and income generated (Patent filed)
1. Inventors: Swarnlata Saraf & Shailendra Saraf
Title: Method and process of preparation of natural hair oil using herbs.
Details: Patent file No: 2259/MUM/2013, Dated: 04/07/2013.
 2. Inventors: SwarnlataSaraf, ShailendraSaraf, Anshita Gupta & Chanchal deep Kaur.
Title: Novel topical formulation combating the redox triggered skin enzymes.
Details: Patent file No: 1123/MUM/2013, Dated: 25/03/2013.
 3. Inventors: SwarnlataSaraf, ShailendraSaraf, Anshita Gupta & Chanchal deep Kaur.
Title: Polymeric nanovesicular system containing apigenein for etiotropic application in skin carcinoma.
Details: Patent file No. 4066/MUM/2013, Dated: 26/12/2013.
 4. Inventors: SwarnlataSaraf, ShailendraSaraf & Anshita Gupta.
Title: Method and composition of Nanosystem mediated bioactive targeting dermal components for UV protection.
Details: Patent file No: 1557/MUM/2013, Dated: 29/04/2013.
 5. Inventors: ShailendraSaraf, SwarnlataSaraf, Amit Alexander & Md.Ajazuddin
Title: Sympathetic role of herbal bioactives as bioavailabilty enhancer in parentral delivery of antineoplastic alkylating agents through thermo responsive poloxamer- based in situ sol gel delivery system.
Details: Patent file No: 1472/MUM/2013, Dated: 22/04/2013.
 6. Inventors: ShailendraSaraf,SwarnlataSaraf & Md. Junaid Khan
Title: A process of preparing phyto-phospholipid complex containing flavanoids for better anti-inflammatory and anti-arthritis potential and pharmaceutical product thereof.
Details: Patent file No: 1556/MUM/2013, Dated: 29/04/2013.

7. Inventors: Swarnlata Saraf, Shailendra Saraf & Chanchal Deep Kaur
Title: Green tea extract loaded ethosomal creams for photochemoprevention of skin. Details: Patent file No :- 2826 /DEL/2015A, Dated: 31/07/2015.
8. Inventors: Deependra Singh & Manju Singh, Indian Patent application, A composition comprising multiple drug loaded omega-3-fatty acid formulations for dermal disorders and method, 3821/1016/MUM/2013
9. Inventors: Deependra Singh & Manju Singh, Indian Patent application, Composition and method of multiple drug loaded bio-compatible hydrogel for complete wound healing, 3823/1018/MUM/2013
10. Inventors: Deependra Singh & Manju Singh, Indian Patent application, Dual delivery of arginine and growth factor nanoparticles incorporated in novel hydrogel for wound healing management, Date of application: 4.11.13/MUM/2013

24. **Areas of consultancy and income generated**

Areas of consultancy

- Herbal Drug Standardization
- Formulation Development
- Cosmetic Technology

Income generated: Nil

25. **Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad**

Name of Faculty	Visits
S Saraf	<ul style="list-style-type: none"> • Represented as national delegation in study group constituted by Pharmacy Council of India to visit UK <ol style="list-style-type: none"> 1. Pfizer Global Research and Development, Sandwich, Kent 2. University of London, 29-39 Brunswick Square, London WC 3. Royal Pharmaceutical Society, 1 Lambeth High Street, London SE1 7JN 4. General Pharmaceutical Council, 129 Lambeth Road, London SE1 1BT 5. University of Hertfordshire, Hatfield, Herts, AL10 9AB. • National University of Singapore
S Saraf	<ul style="list-style-type: none"> • Represented as national delegation in study group constituted by Pharmacy Council of India to visit UK <ol style="list-style-type: none"> 1. Pfizer Global Research and Development, Sandwich, Kent 2. University of London, 29-39 Brunswick Square, London WC 3. Royal Pharmaceutical Society, 1 Lambeth High Street, London SE1 7JN 4. General Pharmaceutical Council, 129 Lambeth Road, London SE1 1BT 5. University of Hertfordshire, Hatfield, Herts, AL10 9AB. • National University of Singapore
M Singh	ICMR Research Trainee fellowship in US, 2014, School of Pharmacy, The University of Mississippi, USA
D Singh	UGC Raman Fellowship for Post Doctoral Research in US, 2014, National Center for Natural Products Research, The University of Mississippi, USA

26. **Faculty serving in**

- a) National committees
- b) International committees
- c) Editorial Boards

any other (please specify)

S Saraf

National committees

Member

1. Pharmacy Council of India, New Delhi
2. Chairman ,Professional Development in Pharmacy, PCI, New Delhi

3. Member, Education Regulation Committee, PCI, New Delhi
4. Trained NAAC assessor
5. visiting Committee AICTE, New Delhi
6. Chairman NBA visiting Committee
7. Expert, Public Service Commission, New Delhi

International committees

1. Special Invitee, AASP board meeting at Singapore

Editorial Board

Member

1. Journal of Ravishankar University, Part B: Science
2. Planta Indica.
3. Biotech Bioscience research Asia.
4. Plant Archives.
5. Indian journal of Natural Product.

Any other: Members in Professional Body

1. Member IPCA
2. President, Indian Pharmaceutical Association Chhattisgarh Branch
3. Life Member, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch
4. Life Member, Indian Society of Pharmacognosy. (ISP).
5. Life Member, MP Pharmacy Graduates Association. (MPPGA)
6. Dean, Faculty of Technology (2002-2013)
7. Member, Research Degree Committee
8. Member, Academic Planning and Evaluation Board
9. Member, Academic Council
10. Member, NCNR
11. Member Board of Studies - Pharmacy

Swarnlata Saraf**National committees**

Member

1. Pharmacy Council of India, New Delhi
2. Member, Education Regulation Committee, PCI, New Delhi
3. UGC-MRP Interface Meeting Committee in Pharmacy, New Delhi
4. Trained NAAC assessor
5. DST- MRP Evaluation Committee, New Delhi
6. Visiting Committee AICTE, New Delhi
7. Expert, Public Service Commission, New Delhi
8. Expert, MRP-Project Evaluation, ICMR New Delhi
9. Referee, IJPER Best Paper Award, 2007, an official journal of APTI, India.

International committees

1. Special Invitee, AASP board meeting at Singapore
2. Member International Federation of Pharmaceuticals (FIP)
3. Member, Controlled Release Society (CRS)
4. Expert, Project Evaluation, Israel Science Foundation, Israel

Editorial Board

Member

1. Journal of Ravishankar University, Part B: Science
2. Trends in Medical Research, New York.
3. Journal of medical sciences, New York.
4. Journal of pharmaceutical sciences and nanotechnology, Hyderabad.
5. Journal of Young Pharmacists, Medknow Publication
6. Journal of Diabetes and Endocrinology, www.academicjournals.org/jde, USA
7. Expert of Book Evaluation by Bentham Science Publishers, Emirates

Any other: Members in Professional Body

1. Member, Indian Pharmaceutical Congress-Scientific committee (2013-2015)
2. Founder President, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch
3. Vice President, Indian Pharmaceutical Association Chhattisgarh Branch
4. Life Member, Indian Society of Pharmacognosy. (ISP).
5. Life Member, MP Pharmacy Graduates Association. (MPPGA)

6. Director, University Institute of Pharmacy(2013-till date)
7. Dean, Faculty of Technology((2013-till date)
8. Chairman,Department Research Committee
9. Member, Academic Council
10. Chairman, Cental Board of Studies - Pharmacy(2013-till date)
11. Co-coordinator, NCNR
12. Member, Research Degree Committee
13. Member, Anti-Ragging Committee
14. Member, Centre for Women Studies

PK Suresh

Any other: Members in Professional Body

1. Member, Academic Council
2. Member Board of Studies - Pharmacy
3. VC nominee in Examination Committee
4. Member, Public Outreach Centre
5. Editor, Newsletter-The CWS Update
6. Member, Centre for Women Studies
7. Member-Unfair Means Disposal Committee

SJ Daharwal

National committees

1. Member visiting Committee Pharmacy Council of India, New Delhi
2. Expert Public Service Commission , New Delhi

Any other: Members in Professional Body

1. President, Alumni Association of University Institute of Pharmacy

V Jain

National committees

1. Member visiting Committee Pharmacy Council of India, New Delhi
2. Expert Public Service Commission, New Delhi for Asst. Drug Inspector
3. Executive Member, Indian Pharmaceutical Association Chhattisgarh Branch
4. Secretary, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch

Any other: Members in Professional Body

1. Member Board of Studies – Pharmacy
2. VC nominee in Examination Committee

D Singh

National committees

1. Executive Member, Indian Pharmaceutical Association Chhattisgarh Branch
2. Vice President, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch

Any other: Members in Professional Body

1. Member, NCNR
2. Member Board of Studies - Pharmacy
3. Member, Proctorial Board
4. Member, Anti-Ragging Committee

A Vyas

National committees

1. Treasurer, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch
2. In charge, Chhattisgarh, Drug Information Centre. State PCI.

Any other: Members in Professional Body

3. Warden, Azad Hostel
4. Member, Public Outreach Centre
5. Member, Training and Placement Cell
6. Member, Anti-Ragging Committee
7. Member, Project Cell
8. Member Board of Studies – Pharmacy

M Singh**National committees**

1. Treasurer, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch
2. In charge, Chhattisgarh, Drug Information Centre. State PCI.

Any other: Members in Professional Body

1. Member Board of Studies - Pharmacy
 2. Member, NCNR
 3. Warden, Girls' Hostel
 4. Member, Centre for Women Studies
 5. VC nominee in Examination Committee Member, Project Cell
 6. Member Board of Studies – Pharmacy
27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

List Of Conferences/Seminar/Workshop/ Refresher/ Orientation Programs

Faculty	Name of the Program	Date & Year
S Saraf	Seminar on "Prospects and challenges in education in Chhattisgarh State" Pt. Ravishankar Shukla University, Raipur.	
	Staff Development Program on "Recent Advances in Designing of novel formulation for plant actives and extracts." at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
	National Seminar on Advances and Avenues in the development of cargoes for bioactives. NDDS of Plant extracts and Actives, University Institute of Pharmacy, Pt. R.S.S.U, Raipur	Jan 31 –Feb 2, 2013
	International Conference under the title "Avenues for the preliminary rheological optimization of thermo responsive in situ gelling polymer" on organized by Rungta Group of College, Bhilai, Chhattisgarh	Feb 8-9, 2013
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	64th Indian Pharmaceutical Congress (IPC), Chennai	Dec 2012
	Seminar on Ethical Principles in Pharmaceutical Research organized by School of Pharmaceutical Sciences, Shobhit University, Meerut	May 7, 2011
	Seminar on Environmental Issues & Challenges, held at Pt. Ravishankar Shukla University, Raipur, on March 29, 2010.	Mar 29, 2010
Swarnalata Saraf	Dubai International Pharmaceuticals and Technologies Conference and Exhibition, Dubai	Mar 8-10, 2015
	71 st FIP World Congress of Pharmacy and Pharmaceutical Sciences, Hyderabad	Sep.2-4,2011
	National Seminar on Advances and Avenues in the development of cargoes for bioactives. NDDS of Plant extracts and Actives, University Institute of Pharmacy, Pt. R.S.S.U, Raipur	Jan 31 –Feb 2, 2013
	National Workshop on "Chromatographic and Spectroscopic analysis for Phytoconstituents" organized by UIOP, Pt. R.S.S.U, Raipur	Mar 14-16, 2013
	Staff Development Program on "Recent Advances in Designing of novel formulation for plant actives and extracts." at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
	National Seminar on Advances and Avenues in the development of cargoes for bioactives. NDDS of Plant extracts and Actives, University Institute of Pharmacy, Pt. R.S.S.U, Raipur	Jan 31 –Feb 2, 2013

	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	6th Asian Association of School of Pharmacy Conference, National University of Singapore.	Nov 15-17, 2013
	National Seminar on “Application of novel drug delivery system for the molecules of herbal origin” at Truba Institute of Pharmacy, Bhopal	June 3-5, 2013
	International Conference under the title “Avenues for the preliminary rheological optimization of thermo responsive in situ gelling polymer” on organized by Rungta Group of College, Bhilai, Chhattisgarh	Feb 8-9, 2013
	Interaction program Academic Staff college, Pt. Ravishankar Shukla University Raipur.	2013
	64th Indian Pharmaceutical Congress (IPC), Chennai	Dec 2012
	Orientation Program, Academic Staff college, Pt. Ravishankar Shukla University Raipur	July 31, 2012
	UGC sponsored Workshop, Academic Staff college, Pt. Ravishankar Shukla University Raipur	2011
PK Suresh	Staff Development Program as a Resource person Columbia Institute of Pharmacy, Raipur.	June 20-30, 2011
	Workshop on “Science Citation Index, Social Science Index, Impact factor, Citation index and h-index of Research publications” UGC-Academic Staff College, Pt. Ravishankar Shukla University, Raipur.	September 10, 2011
	Workshop on Chromatographic Techniques. University Institute of Pharmacy, PRSU, Raipur	December 13, 2011
	Workshop on “Essential Medicine List and Rational Use of Medicine”, Organized by State Health Resource Centre, Raipur in association with World Health Organization and Indian Medical Association, CG Chapter	April 22, 2012
	AICTE sponsored Staff Development Program on ”Development, valuation and standardization of classic Indian formulations” Columbia Institute of Pharmacy, Tekari, Raipur.	May 6-17, 2012
	Staff Development Program on “Plant actives and extracts: Bottlenecks and Challenges” as a Resource person Columbia Institute of Pharmacy, Tekari, Raipur.	8-23 Feb 2013
	Attended AICTE sponsored Staff Development Program on Recent Advances in Designing of Novel Formulation for Plant Actives & Extracts University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	December 3-17, 2013
	Participated in the UGC sponsored short-term course on Research Methodology Academic Staff College, Pt. Ravishankar Shukla University, Raipur	November 13-19, 2014.
	Workshop on “Development and Characterization of nanostructured systems” Panjab University, Chandigarh,	February 12, 2014
M Singh	International Conference under the title “Avenues for the preliminary rheological optimization of thermo responsive in situ gelling polymer” on organized by Rungta Group of College, Bhilai, Chhattisgarh	Feb 8-9, 2013
	National Seminar on Emerging trends and innovation in drug delivery and pharmaceutical sciences , Columbia Institute of Pharmacy, Tekari, Raipur	Oct 20, 2013
	Staff Development Program on “Recent Advances in Designing of novel formulation for plant actives and extracts.” at University Institute of Pharmacy, Pt.	Dec 3-17, 2013

	Ravishankar Shukla University, Raipur	
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	Orientation Program by Academic Staff College Pt. Ravishankar Shukla University Raipur	Sep 1-28, 2012
	Refresher course by Academic Staff College Pt. Ravishankar Shukla University, Raipur	Dec 1-21, 2012
	38th Annual Meeting & Exposition of the Controlled Release Society, National Harbor, Maryland, USA.	July 30-Aug 3, 2011
	11th International Hydrocolloids Conference on Biofunctionality and techno functionality of Hydrocolloids ,Purdue University, IN	May 14-18, 2012
	Staff Development Program on "Recent Advances in Designing of novel formulation for plant actives and extracts." at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
A Vyas	National Conference on Pulsatile Drug Delivery System: A promising approach towards chronobiological diseases. Organized by Columbia College of Pharmacy, Raipur	Aug 23-24, 2014
	3rd Conference on Innovation in Drug Delivery: Advances in Local Drug Delivery" on Preparation, Evaluation and Optimization of Nanostructured Lipid Carriers for Topical Delivery of Anti-Cancer Drug, Pisa, Italy	Sep 22-25, 2013
	Staff Development Program on "Recent Advances in Designing of novel formulation for plant actives and extracts." at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
	National Workshop on Chromatographic and Spectroscopic analysis for phytoconstituents held at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur	Mar 14-16, 2013
	National seminar on "Phytomedicine avenues and challenges in formulation development" organized by Gondia educational societies Manohar bhai patel Institute of Pharmacy, Gondia, Maharashtra	Jan 7, 2012
	Staff Development Program on "Development Valuation & Standardization of Classic Indian Formulations" Organized by Columbia Institute of Pharmacy Raipur	May 6-17, 2012
	Staff Development Program on "Emerging trends in herbal and novel drug delivery systems" Organized by Gondia educational societies Manohar bhai Patel Institute of Pharmacy, Gondia, Maharashtra	June 5, 2012
	National seminar "Advances in pharmaceutical research" organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Jan 28-30, 2011
	Workshop on "Chromatographic techniques" at University Institute of Pharmacy, Pt. Ravishankar Shukla University Raipur	Dec 13, 2011
	Workshop on "Science citation index, social science index, impact factor, citation index and h- index of research publications" organized by UGC- Academic staff college Pt. Ravishankar Shukla University Raipur	Sep 10, 2011
	Staff Development Program held at Gayatri college of Pharmacy, Sambalpur Orrisa	Apr 26-May 1, 2010
D Singh	18th APTICON , Vikas Instt of Pharm Sciences, Andhra Pradesh	Oct 25-27, 2013

	Staff Development Program on “Recent Advances in Designing of novel formulation for plant actives and extracts.” at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
	International Conference under the title “Avenues for the preliminary rheological optimization of thermo responsive in situ gelling polymer” on organized by Rungta Group of College, Bhilai, Chhattisgarh	Feb 8-9, 2013
	National Seminar on Emerging trends and innovation in drug delivery and pharmaceutical sciences, Columbia Institute of Pharmacy, Tekari, Raipur	Oct 20, 2013
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	11th International Hydrocolloids Conference on Biofunctionality and techno functionality of Hydrocolloids ,Purdue University, IN	May 14-18, 2012
	38th Annual Meeting & Exposition of the Controlled Release Society, National Harbor, Maryland, USA	July 30- Aug 3, 2011
V Jain	National seminar on Advances and avenues in novel drug delivery system for therapeutically effective plant actives” at University Institute of Pharmacy, Pt. RSU, Raipur	Oct 29-30, 2014
	3rd Conference on Innovation in Drug Delivery: Advances in Local Drug Delivery” on Preparation, Evaluation and Optimization of Nanostructured Lipid Carriers for Topical Delivery of Anti-Cancer Drug, Pisa, Italy	Sep 22-25, 2013
	National Seminar on Advances and Avenues in the development of cargoes for bioactives. NDDS of Plant extracts and Actives, University Institute of Pharmacy, Pt. R.S.S.U, Raipur	Jan 31 –Feb 2, 2013
	National Workshop on “Chromatographic and Spectroscopic analysis for Phytoconstituents” organized by UIOP, Pt. R.S.S.U, Raipur	Mar 14-16, 2013
	National seminar “Advances in pharmaceutical research” organized University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Jan 28-30, 2011
R Jangde	66th Indian Pharmaceutical Congress, Hyderabad	Jan 23-25, 2015
	National Seminar on Recent development for modernization of Indian traditional formulations, Columbia Institute of Pharmacy, Raipur	Jan 24-25, 2014
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	National Seminar on Impact of Nanotechnology on Drug Discovery and Development, Sponsored by Pharmedx, Shimla, Himachal Pradesh	Jan 31-Feb 2, 2013
	National Seminar on “Advance and avenues in the development of cargoes for plant actives” National organized by University Institute of pharmacy, Pt. RSU Raipur	Mar 16-17, 2013
	National Seminar on “Current Developments for Modernization of Indigenous Herbal Formulations, Columbia Institute of Pharmacy, Raipur	Sep 29-30, 2013
	National Seminar on “Rules And Precincts Of IPR And Regulatory Affairs For Indian Drugs” UGC, New Delhi, Organized By-Columbia Institute of Pharmacy, Raipur	2013
	International conferences on “Recent Advances in Pharmaceutical Sciences”, organized by Department of Pharmaceutics, IT-BHU, Varanasi,(U.P.)	2011

	62th Indian pharmaceutical congress Manipal, Karnataka	Jan 28-30, 2011
	Staff Development Program” Sponsored by AICT organized by University Institute of pharmacy, Pt. Ravishankar Shukla University Raipur	Dec 17-19, 2010
	National Seminar on “Advances in Pharmaceutical Research” at University Institute of pharmacy, Pt. RSU Raipur	Dec 22-23, 2010
	Refresher course” Academic Staff College, organized by Pt. Ravishankar Shukla University Raipur	May 28- June 17, 2010
A Kujur	66th Indian Pharmaceutical Congress, Hyderabad	Jan 23-25, 2015
	International Conference “Frontiers in Pharmaceutical Science & Research" with theme "Cutting Edge Technology in New Drug Discovery & Drug Delivery Systems" organized by Columbia Institute of Pharmacy, Raipur	Oct 11-12, 2014
	National seminar on Advances and avenues in novel drug delivery system for therapeutically effective plant actives” at University Institute of Pharmacy, Pt. RSU, Raipur	Oct 29-30, 2014
	Staff Development Program on “Recent Advances in Designing of novel formulation for plant actives and extracts.” at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
R Tirkey	66th Indian Pharmaceutical Congress, Hyderabad	Jan 23-25, 2015
	International Conference “Frontiers in Pharmaceutical Science & Research" with theme "Cutting Edge Technology in New Drug Discovery & Drug Delivery Systems" organized by Columbia Institute of Pharmacy, Raipur	Oct 11-12, 2014
	National seminar on Advances and avenues in novel drug delivery system for therapeutically effective plant actives” at University Institute of Pharmacy, Pt. RSU, Raipur	Oct 29-30, 2014
	65th Indian Pharmaceutical Congress, Amity University New Delhi	Dec 20-22, 2013
	Staff Development Program on “Recent Advances in Designing of novel formulation for plant actives and extracts.” at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur	Dec 3-17, 2013

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects – **100%**
- percentage of students doing projects in collaboration with other universities/industry/institute– **Nil***

*The PG and Ph.D. students have visited several premier research institutes like AIIMS (Delhi), NIPER (Mohali), CDRI, BITS, Panjab University for the purpose of training & utilization of the available facilities in their research project.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Name of Awardee	Awards /Recognitions	National/ International
Faculty		
S Saraf	<ul style="list-style-type: none"> Trained NAAC assessor Member, Pharmacy Council of India, New Delhi Chairman,ProfessionalCommittee,PCI,New Delhi Member,Institute Scrutiny Committee, PCI,New Delhi Member ,Finance Committee, PCI,New Delhi Expert selection committee, Central Selection Commission,New Delhi 	National National National National National
Swarnlata Saraf	<ul style="list-style-type: none"> Trained NAAC assessor UGC nominated Member Pharmacy Council of India, New Delhi Member, Visiting Committee,UGC, New Delhi Expert MRP interface meeting committee, UGC, New Delhi Member, Education Regulation Committee, PCI, New Delhi Member,Institute Scrutiny Committee, PCI,New Delhi Convenor, Continuing Education Program Committee, PCI,New Delhi <p>Prior 2010</p> <ul style="list-style-type: none"> Evaluation Expert of MRP-Project,Isarael Science foundation, Isarael EvaluationExpert of MRP-Project screening Committee,ICMR,New Delhi 	National National National National National National National National International National
M Singh	<ul style="list-style-type: none"> ICMR Research Trainee fellowship in United States of America, 2014 Executive Member, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch 	International National
A Vyas	<ul style="list-style-type: none"> Treasurer, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch Incharge, Chattisgarh, Drug Information Centre. State PCI. 	National
D Singh	<ul style="list-style-type: none"> Raman Post Doctoral fellowship by University Grants Commission 2014 Executive Member, Indian Pharmaceutical Association Chhattisgarh Branch Vice President, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch UGC Research award 2011 by University Grants Commission (UGC) 	International National
V Jain	<ul style="list-style-type: none"> Best Paper Award 2014, by Indian Drug Manufacturing Association, Mumbai Executive Member, Indian Pharmaceutical Association Chhattisgarh Branch Secretary, Association of Pharmaceutical Teachers of India, Chhattisgarh Branch 	National
Research Scholar/ PG Student		
A Alexander	Chhattisgarh Young Scientist Award (Pharmaceutical Sciences) C. G. Young Scientist Congress, 2013.	National
SS Shukla	P.D.Sethi award 2013	National

SS Shukla	Chhattisgarh Young Scientist Award (Pharmaceutical Sciences) C. G. Young Scientist Congress, 2011.	National
R Panik	Best Poster Award at International Wound care con-2013, Pudducheri	International
A Gupta	Chhattisgarh Young Scientist Award (Pharmaceutical Sciences) C. G. Young Scientist Congress, 2014.	National
M Pradhan	Chhattisgarh Young Scientist Award (Pharmaceutical Sciences) C. G. Young Scientist Congress, 2015.	National
A Pathak	Selected in state round of National Elocution Competition, 2014.	National

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.[Keynote & 4-5 speakers]

	Program	Source of funding	Outstanding Resource Persons
Seminars	National Seminar on Recent advances in pharmaceutical research, 2011	UGC	VK Dixit, Sagar RS Gaud, Mumbai
	National Seminar on Advancements and avenues in the development of cargoes for plant actives Jan 31-Feb2, 2013	UGC	B Suresh, President PCI, New Delhi RS Gaud, Mumbai SH Ansari, New Delhi
Conferences	National Conference on Nanodermatology: Advances, Pitfalls and Future Challenges, April 28-30, 2014	UGC	VK Mourya, Amarawati A Sachant, Assisstat Drug Controller, Delhi PR Vavia, ICT, Mumbai
	National Conference on Advances and Avenues in Novel Drug Delivery Systems for Therapeutically effective plant actives, Oct 29-30, 2014	UGC	BL. Tekwani, USA AT Dabke, Raipur
Workshops	Workshop on Analytical Instrumentation for research work on plant extracts and actives, 2012.	-	A Shriniwas, Maharashtra
	Workshop on Analytical instrumentation supports for research work in natural and herbal products analysis and extraction, 2012	-	A Shriniwas, Maharashtra
	Workshop on FTIR & AAS, 2012.	-	A Shriniwas, Maharashtra
	Workshop on Chromatographic and Spectrophotometric Analysis for Phytoconstituents, March 14-16, 2013	UGC	SN Umathe, Nagpur University, RK Agrawal, Sagar (M.P)
	Workshop on Chromatographic techniques, 2011.	-	RK Agrawal, Sagar (M.P)
	Real time PCR – Application in Biotechnology, Nov 21 2014	-	S Thalai, Mumbai
Faculty Development Program	Faculty Development Program on Recent Advances in Designing of Novel Formulation for Plant Actives & Extracts, 2013.	AICTE	SC Mandal, Kolkata AK Singhai, Sagar, Priti Kotial, Dehradun BP Nagori, Jodhpur S Jain, Indore MD Burande, Pune AK Gupta, National Science Fellow, New Delhi

			Inderjeet Chouhan, New Delhi, AK Singhai, Sagar
Refresher Course	Refresher Course on Interdisciplinary and collaborative research in Pharmacy, 2012	UGC	DV Kohli, Sagar (M.P) SK Jain, Sagar (M.P) J Karajgi, Aurobindo Pharma, K Kohli, New Delhi RS Thakur, RN Pati, Orissa Umesh Patil, Sagar
	Refresher Course on Pharmaceutical Research in Indian and modern medicine, 2014	UGC	M Tailang, Gwalior PMukherjee, Kolkata J Karajgi, Hyderabad RN Pati, Orissa D Jain, Bhopal S Jain, Bhopal VR Sinha, Punjab S Bhattacharya, CSIR
Guest Lectures			Nandita Pandit, NMIMS, Mumbai; Sudha, ICMR, New Delhi

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Institutional Ethics Committee for Human Research
- Institutional Ethical Committee for Animal Research - CPCSEA has been constituted for monitoring and approval of animal studies.
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Pharm 2012-2013	State level central counselling	44	25	73.80	84
B.Pharm 2013-2014	State level central counselling	40	29	81.25	94.11
B.Pharm 2014-2015	State level central counselling	38	32	85.71	100
M.Pharm 2012-2013	State level central counselling	01	05	100	100
M.Pharm 2013-2014	State level central counselling	00	04	NIL	100
M.Pharm 2014-2015	11	02	05	NIL	100
Ph.D 2012-2013	53	06	01	100	100
Ph.D 2013-2014	08	04	02	100	100
Ph.D 2014-2015	16	01	01	100	100

33. Diversity of students

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Pharm 2012-2013	0	100	0	0
M. Pharm 2013-2014	25	50	25	0
M. Pharm 2014-2015	43	57	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of Student	Exam	Year	Category
1	Mukesh Verma	GPAT	2010	OBC
2	Sneha Sahu	GPAT	2010	OBC
3	Avinesh Sonker	GPAT	2010	OBC
4	Mahendra Devangan	GPAT	2010	OBC
5	Kumar Bandhu Lathiyare	GPAT	2010	SC
6	Ashutosh Gupta	GPAT	2010	GEN
7	Hukendra Kumar Sahu	GPAT	2011	OBC
8	Kalpana Rathore	GPAT	2011	OBC
9	Kamna Patel	GPAT	2011	OBC
10	Omeshwari Sahu	GPAT	2011	OBC
11	Parag Jain	GPAT	2011	GEN
12	Piyush Jaiswal	GPAT	2011	OBC
13	Pradeep Kumar Sahu	GPAT	2011	OBC
14	Shweta Bhattacharya	GPAT	2011	GEN
15	Bhupendra Kumar	GPAT	2011	OBC
16	Sunita Pradhan	GPAT	2011	OBC
17	Suryakant Dinkar	GPAT	2011	OBC
18	Sandeep Sonkar	GPAT	2011	OBC
19	Chandan Kumar Sahu	GPAT	2011	OBC
20	Dipti Sahu	GPAT	2011	OBC
21	Disha Agrawal	GPAT	2011	GEN
22	Suraj Kumar Agrawal	GPAT	2011	GEN
23	Toshita Mishra	GPAT	2011	GEN
24	Satyam Chandrakar	GPAT	2011	OBC
25	Bhaskar S Rathore	GPAT	2011	OBC
26	Manisha Ware	GPAT	2011	SC
27	Vinay Deshmukh	GPAT	2011	OBC
28	Subhang Agarwal	GPAT	2011	GEN
29	Piyush Jaiswal	NIPER	2011	GEN
30	Suraj Kumar Agrawal	NIPER	2011	GEN
31	Bhaskar Singh Rathore	GPAT	2012	OBC
32	Gaytri Patel	GPAT	2012	OBC
33	Sanjeev Paikra	GPAT	2012	ST
34	Pragyashila Bhaptari	GPAT	2012	SC
35	Kritika Nayak	GPAT	2012	GEN
36	Bhaskar Singh Rathore	NIPER	2012	OBC
37	Pragyashila Bhaptari	NIPER	2012	SC
38	Jageshwari Sahu	GPAT	2013	OBC
39	Sanjay Sahu	GPAT	2013	OBC
40	Neha Tripathi	GPAT	2013	GEN
41	Shilpa Lalwani	GPAT	2013	GEN
42	Nikita Verma	GPAT	2013	OBC
43	S. Anusha	GPAT	2013	GEN
44	Sanjeev Paikra	GPAT	2013	ST
45	Kritika Nayak	GPAT	2013	OBC
46	Supriya Rai	GPAT	2013	ST
47	Nirmala Singh	GPAT	2013	GEN
48	Sushil Rai	GPAT	2013	ST
49	Prem Narayam Saytode	GPAT	2013	SC
50	Ashu Singh Rajput	GPAT	2013	GEN
51	Shilpa Lalwani	NIPER	2013	GEN
52	Kritika Nayak	NIPER	2013	OBC
53	S. Anusha	NIPER	2013	GEN
54	Sanjeev Paikra	NIPER	2013	ST

55	Nikita Verma	NIPER	2013	OBC
56	Neha Tripathi	NIPER	2013	GEN
57	Jageswari Sahu	NIPER	2013	OBC
58	Supriya Rai	NIPER	2013	ST
59	Sushil Rai	NIPER	2013	ST
60	Ashu Singh Rajput	NIPER	2013	GEN
61	Sanjay Sahu	NIPER	2013	OBC
62	Prem Narayan Saytode	NIPER	2013	SC
63	Nirmala Singh	NIPER	2013	GEN
64	Shalini Kshatri	GPAT	2013	GEN
65	Astha Pathak	GPAT	2014	GEN
66	Gajeshwar Prasad	GPAT	2014	ST
67	Ishwari Choudhary	GPAT	2014	OBC
68	Nagendra Bhuwane	GPAT	2014	OBC
69	Neha Minj	GPAT	2014	ST
70	Pritee Gupta	GPAT	2014	GEN
71	Poshan Lal	GPAT	2014	OBC
72	Krishna Yadav	GPAT	2014	OBC
73	Neha Minj	NIPER	2014	ST
74	Poshan Lal	NIPER	2014	OBC
75	Gajeshwar Prasad	NIPER	2014	ST
76	Ajay Singh Sarthi	GPAT	2015	SC
77	Hitesh K. Sahu	GPAT	2015	OBC
78	Keshav Lal Barai	GPAT	2015	ST
79	Shubham Sharma	GPAT	2015	GEN
80	Pratiksha Kochar	GPAT	2015	GEN
81	Shivendra Kumar Som	GPAT	2015	SC
82	Chhatresh Kumar	GPAT	2015	ST
83	Jageshwar Verma	GPAT	2015	OBC
84	Tikendra Kumar	GPAT	2015	OBC
85	Ajay Singh Sarthi	GPAT	2015	SC
86	Keshav Lal Barai	NIPER	2015	ST
87	Pratiksha Kochar	GPAT	2015	GEN
88	Chattresh Kumar	NIPER	2015	ST

35. Student progression

Student progression	Percentage against enrolled
UG to PG	80
PG to M.Phil.	-
PG to Ph.D.	20
Ph.D. to Post-Doctoral	10
Employed	100
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	100
Entrepreneurs	5

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	0
of the same university	0
from other universities within the State	27
from universities from other States	73

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D. Awarded – 01
Ph.D. Submitted - 01

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100%
b) Total number of class rooms	04
c) Class rooms with ICT facility	04
d) Students' laboratories	13
e) Research laboratories	01

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

S. No.	Name of Student	Guide/Co-Guide	Period	Subject
1.	Anil Kumar Sahu (UGC-BSR-JRF)	V Jain	2011-continuing	Pharmacy
2.	Bina Gidwani (UGC-BSR-JRF)	A Vyas	2011-2015 (submitted)	Pharmacy
3.	Madhulika Pradhan (UGC-BSR-JRF)	M Singh	2011-2015 (submitted)	Pharmacy
4.	Rajendra Jangdey (UGC-BSR-JRF)	D Singh	2011-2015 (submitted)	Pharmacy
5.	Rajnikant Panik (RGNF-SRF)	D Singh	2012-continuing	Pharmacy
6.	Tekeshwar Kumar (CGSOST-JRF)	V Jain	2012-continuing	Pharmacy
7.	Kumar Bandhu Lathyare (CGSOST-JRF)	V Jain	2013-continuing	Pharmacy
8.	Mukesh Kumar Nag (RGNF-SRF)	D Singh	2013-continuing	Pharmacy
9.	Shikha Shrivastava (UGC-BSR-JRF)	M Singh	2013-continuing	Pharmacy
10.	Manish Gupta (UGC-BSR-JRF)	Swarnlata Saraf	2013-continuing	Pharmacy
11.	Pooja Dubey (INSPIRE-JRF)	M Singh	2014-continuing	Pharmacy
12.	Roman Aneshwari (CGSOST-JRF)	V Jain	2014-continuing	Pharmacy

b) from other institutions/universities

Doctoral degree Awarded [2010-2015]				
S. No.	Name of Student	Guide	Year	Subject
1.	Amber Vyas	Swarnlata Saraf S Saraf	2011	Pharmacy
2.	Shweta Kapoor	Swarnlata Saraf	2011	Pharmacy
3.	Ravindra Pandey	S Saraf Swarnlata Saraf	2012	Pharmacy
4.	Shivshankar Shukla	S Saraf Swarnlata Saraf	2012	Pharmacy
5.	Chanchal Deep Kaur	Swarnlata Saraf	2012	Pharmacy
6.	Ajazuddin	S Saraf	2012	Pharmacy
7.	Amit Alexander	S Saraf	2015	Pharmacy
8.	Mohd. Junaid Khan	S Saraf	2015	Pharmacy
9.	Abhishek Sah (RGNF-SRF)	PK Suresh	2012-continuing	Pharmacy
10.	Anshita Gupta (UGC-SAP)	Swarnlata Saraf	2012-continuing	Pharmacy
11.	Manmohan Singh Jangdey (RGNF-SRF)	Swarnlata Saraf	2012-continuing	Pharmacy
12.	Satish Patel (UGC-BSR-JRF)	D Singh	2013-continuing	Pharmacy

13.	Veena Devi Thakur (Univ. Fellowship)	SJ Daharwal	2013-continuing	Pharmacy
-----	---	-------------	-----------------	----------

40. Number of post graduate students getting financial assistance from the university.

- Nil; from University
- ST, SC and OBC students get financial assistance from the State Government
- GPAT qualified students from AICTE getting assistance.
Manjusha--- AICTE (8,000@month)
Nikita Verma--- AICTE (8,000@month)

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
<ul style="list-style-type: none"> • Feedback from faculty on curriculum as well as teaching-learning-evaluation is taken at the end each session. • Faculty members are asked to suggest inclusion, exclusion/ modification of topics in the subject assigned to them for teaching the suggestion are put/ forwarded in board of studies meeting. • Depending upon the oral feedback the teaching-learning process is strengthened by: <ul style="list-style-type: none"> - Inclusion of periodical seminars and assignments for PG& UG programs. -The use of audio-visual mode and smart boards has been facilitated.
b) Student on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
<p>The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3 provided by IQAC) is analyzed and discussed in the staff council in detail and remedial measures are taken.</p> <p>Mentoring of the students is also done by the faculty. Some initiatives have been made towards tutorial system and remedial teaching for the weaker students which could be further strengthened.</p>
c) Alumni and employers on the programs offered and how does the department utilize the feedback?
<ul style="list-style-type: none"> • Through teacher-parent meet • Through Alumni meet • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

S. No	Alumni	Course	Batch	Current Position Held
1	Kamlesh Dashora	Ph.D.	2004-2007	HOD, Department of Pharmacy, Vikram University, Ujjain (M.P.)
2	RB Saudagar	Ph.D.	2004-2007	Prof. Sakpal College of Pharmacy Nashik
3	Junaid Khan	Ph.D.	2012-2015	Asst. Prof, Dept of Pharmacy, Sarguja University, Ambikapur (CG)
4	Navin Naktode	M.Pharm	2013	Hospital Pharmacist
5	Dhaniram Patel	M.Pharm	2011	Drug Inspector, FDA, CG
6	Amandeep Singh Chhabra	B.Pharm	2010	Civil Judge, Mandla (M.P.)
7	Piyush Jaiswal	M.Pharm	2012	Drug Inspector, FDA, CG
8	Gyanil Sahu	M.Pharm	2008	Industry, UAE
9	Rakesh Singh	M.Pharm	2008	F&D, Ajanta Pharma, Mumbai
10	Sunil Hargude	M.Pharm	2008	R&D, Pharma Industry, UAE

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

S. No.	Name of the program / activity	Date	Resource Persons
1.	Interaction on advances in drug delivery research	06/09/11	DN Sakarkar , Proffesor Amrawati University Maharashtra
2.	Special lecture	06//2/12	DV Kohli, Proffesor Harisingh Gour University Sagar
3.	Interaction	25/07/12	SS Sisodia, Proffesor B.N.College Of Pharmacy Udaipur Rajasthan
4.	Special lecture	12/08/12	SH Ansari, Proffesor Jamia University Delhi
5.	Interaction	14/08/12	RK Maheshwari , Proffesor Head Sgsits Indore (M.P.)
6.	Interaction on research areas in current scenario	02/09/12	SP Vyas, Proffesor Dr. H. S. Gour University Sagar (M.P.)
7.	Lecture on drug research: advances, avenues and challenges	02/02/13	RS Gaud Nimmhs Mumbai Maharashtra
8.	Interaction on antiobesity herbal drugs	02/02/13	SH Ansari, Proffesor Faculty of Pharmacy Jamia Hamdard University New Delhi
9.	Lecture on aphrodisiac and spermatogenic potential of ayurvedic herbs	02/02/13	V. K Dixit, Proffesor Dr. Hari Singh Gaur University Sagar (M.P.)
10.	Herbal standardization	24/03/2013	SC Mandal, Proffesor Jadhav University, Kalkutta
11.	Lecture on the management of ethno diversity in higher education, challenge and opportunities	22/04/2013	Marie Mcandrew, Proffesor Chair In Ethnic Relations, Canada Research Chair In Education & Ethnic Relations, University De Montreal, Quebec, Canada
12.	Special lecture on adult vaccination: challenges and prospects	23/04/2013	Arun Kedia Life Worth Hospital, Raipur, (C.G.)
13.	Workshop	14/09/2013	Ganesh Balgar Life Technologies, Mumbai
14.	Interaction on qa and incoming material in pharmaceutical industry	03/10/13	V R Sinha, Proffesor Panjab Univesity Chandigarh
15.	Special lecture on emerging technologies: policies and strategic issues	21/09/13	Sujit Bhattacharya, Principal Scientist, NISTAD, CSIR, Delhi
16.	Workshop on:- real time pcr application in biotechnology	21/11/2013	Sangeeta Thalai
17.	History of pharmacy	7/12/2013	A. K. Singhai, Proffesor Dr. H. S. Gaur University, Sagar(M.P.)
18.	Regulation strategies in herbal cosmetics	7/12/32013	Preeti Kotiyal, Gauri Ram Intitute of Technology, Deharadun
19.	Micobiological assays	7/12/32013	Prakash Saluja Degree Girls College Raipur
20.	Recent advances in pharmaceutical analysis	10/12/2013	BP Nagori, Lm College of Pharmacy, Jodhpur
21.	Current status of pharmacist	11/12/2013	Inder Singh Chouhan New Delhi
22.	Pharmacy education	16/12/2013	MD Burande

			Siddhant College of Pharmacy, Pune
23.	Quality control evaluation of herbals	18/02/2014	Mukul Tailing, Professor Pharmacy Deptt. Jiwaji University, Gwalior
24.	Drug delivery of plant extracts	24/02/2014	Kanchan Kohli, Jamia Humdard University, Delhi
25.	Special lecture on advances in transdermal drug delivery	30/04/14	PR Vavia, Principal IICT Mumbai
26.	Interaction	28/04/14	Ajay Sachan Asst. Drug Controller FDA Delhi
27.	Special lecture	29/04/14	VK Maurya, Professor Govt. College Of Pharmacy Amravati
28.	Interaction	28/04/14	R. Narsinhan, Professor TIFR, Mumbai
29.	Interaction	29/10/14	BL Tekwani, Principal Scientist, School of Pharmacy, The University Of Mississippi, USA
30.	Interaction	09/01/15	Manish Chaurashia, Jr. Scientist CDRI, Lucknow
31.	Student: teacher interaction	04/02/2015	AK Gupta Fellow of NSA, Delhi
32.	Lecture on screening of plants for medicinal activity	04/03/2015	Sudha Tiwari Retired Scientist-F, ICMR, New Delhi
33.	Special lecture on dissolution studies of commercialized herbal products	04/03/2015	Nancy Pandita, Professor, School of Biological Sciences, NMIMS University Mumbai
34.	History of pharmacy in India	23/03/2015	AK Singhai, Professor Dr. H. S. Gaur University, Sagar(M.P.)
35.	Career in pharmacy	23/03/2015	VK Dixit, Professor Dr. H. S. Gaur University, Sagar(M.P.)
36.	Special lecture on how to be an entrepreneur	07/08/2015	Anil Kharya Chairman, Modern Pharmaceuticals Lab
37.	Special lecture on consultancy skill development	07/08/2015	Sanjay Jain Principal, Smriti College Of Pharmacy, Indore (M.P.)
38.	Special lecture on pharmaceutical research	26/08/2015	SK Jain, Professor Department of Pharmaceutical Sciences, Dr. H. S. Gaur University, Sagar(M.P.)

45. List the teaching methods adopted by the faculty for different programs.

The faculty use modern teaching approaches to enhance teaching. In addition to chalk and talk method of lecture, the faculty use these techniques:

- **Interactive method:** Seminars/ Class presentations and Group discussions
- **Project-based learning:** A compulsory module for UG and PG programs. The project work under the faculty helps the student to review the outcome and impact of work chosen for project.
- **Computer assisted learning:** All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations (smart class rooms) by the faculty members.
- Broad band internet facility is available which encourages the faculty to utilize computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow. Smart boards are installed at UG & PG classroom for effective teaching

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Regular Monitoring and monthly update on website
• Internal Assessment	<ul style="list-style-type: none"> • Continuous evaluation by Internal Sessional Exams and presentation • Regular viva-voce in practicals • Regular seminars of student
• Research	<ul style="list-style-type: none"> • Projects applied & undertaken by faculty & department • Seminars/ workshops organised/participated by faculty members and research work presented by student & scholars in India and abroad

47. Highlight the participation of students and faculty in extension activities.

- Organising rally and awareness march regularly during National pharmacy Week celebration
- Create awareness in public on safe use of medicines.
- Publication of popular articles by faculty in newspapers
- Students participated in blood donation camp.
- Participation of students and faculty in programs of professional bodies eg. Elocution competition by IPA, APTI, etc.
- Participation in national program organized/announced by national agencies eg. Swasth Bharat, Education day, skill development Programs.
- Participation in organising the professional body programs eg. Word Pharmacist day
- Earn the positions in apex body and professional body.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Organisation of student seminars
- Publication of review and public awareness articles
- Organization & participation in national elocution competition
- Organization & participation in professional pharma activities
- Organization & participation cultural & co-curricular activities in India and abroad.
- Faculty acting as adjudicator for evaluation of PhD thesis of other university
- Faculty acting as Resource Person
- Referring of manuscripts
- Members in Editorial Board
- Members in Advisory Committee

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes, programs are approved by Pharmacy Council of India and All India Council of Technical Education

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Pharm.)	
• Project work for UG and PG students	
• Debates on futuristic topics	
• Organization of skill development program	
• Seminars on current topics	
• Research discussions among students with faculty inputs	
• Popular lectures by eminent faculties of	

country	
---------	--

List of the lectures (Topics)

- Novel Drug Delivery Systems Of Herbal Drugs
- Evaluation of targeted moieties embedded formulations against UV radiation induced skin cancer
- Standardization of herbal drug
- Anti-Obesity Herbal Drugs
- Adult Vaccination: Challenges and Prospects
- Emerging Technologies: Policies and Strategic Issues
- QA and incoming material in pharmaceutical industry
- Real Time PCR Application In Pharmaceutical Biotechnology
- Multidirectional multidisciplinary molecular target based paradigms for new drug discovery from natural product resources
- Screening of plants for medicinal activity
- Dissolution study of commercialized herbal products at the level of industrial development
- How to be an entrepreneur
- Patents and Technology Transfers
- Current scenario of pharmacy education
- Consultancy skill development

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Providing a career-oriented educational program
- Availability of sophisticated instrumentation and Hands on training through pilot plants
- Augmentation of research activities focussed on national and regional priorities

Weaknesses

- Lack of industry-institute partnerships and collaborations
- Thin on diversity of students from the other states

Opportunities

- Establishment of testing laboratories and strengthening of Consultancy services
- Industry tie-up and technology transfer and MOUs with the hospitals
- Patenting of research outputs

Challenges

- Training of students in hospitals/research laboratories/industries
- Leverage the institute by collaborative industry-institute linkages
- Alliances and partnerships with institutions of national/international repute

52. Future plans of the department.

- To develop Centre of excellence in Pharmaceutical Education and Research and Centre for Herbal Drug Technology
- To develop infrastructure in research in the area of Drug Targeting, Cosmetic Technology, Skin disorders and Nano-carriers
- Skill up-gradation through Communication with working pharmacist, and interaction with other health professionals
- Strengthening of outreach activities

Evaluative Report of the Department

1. Name of the Department: School of Studies in Physical Education
2. Year of establishment: 1972
3. Is the Department part of a School/Faculty of the university? A University teaching department (Faculty of Physical Education)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	B.P. Ed.	UG	Physical Education	1972
2.	M.P. Ed.	PG	Physical Education	1985
4.	Ph.D.	Research	Physical Education	1986

5. Interdisciplinary programs and departments involved

Program: Ph.D. – Physical Education

Department involved: Life Sciences, Psychology, Anthropology

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	3
Associate Professor	-	-	-
Assistant Professor	2	2	-
Others	-	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
CD Agashe	Ph.D.	Professor	Sports Psychology	25	8(4)*	08
R Venugopal	Ph.D.	Professor	Physiology of Exercise	25	6(4)	08
R Choudhary	M. Phil, Ph. D., NET & JRF (UGC), PGDYM, PGDYN, Black Belt Diploma in	Professor	Physiology of Exercise	15	8 (6)	02

	Judo (2nd Dan)					
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

B.P.Ed.15%, M.P.Ed. - 15%

14. Program-wise Student Teacher Ratio

Session	UG Program	PG Program	M.Phil.
	B.P.Ed.	M.P.Ed.	
2010-2011	25:1	40:1	5:1
2011-2012	25:1	40:1	5:1
2012-2013	25:1	40:1	5:1
2013-2014	17:1	26:1	2:1
2014-2015	17:1	26:1	-
2015-2016	17:1	26:1	-
Median	21:1	33:1	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	-	-	-
Administrative Staff	01	01	01

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Physiology of Exercise	UGC	2012-2014

Physiology of Exercise

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
Completed projects				
R Venugopal	UGC	Prevalence of Sports Injuries in Kho-Kho Players and Comparison of Physiotherapy, Ayurvedic and Combined Modalities of treatment of the Injuries	2012-2014	Rs. 8 lacs

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility / centre with:

a) state recognition	-
b) national recognition	-
c) international recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number	Average
○ Number of papers published in peer reviewed journals (national / international)	89	29.3
○ Monographs		
○ Chapters in Books	01	
○ Edited Books	10	
○ Books with ISBN with details of publishers	06 LAMBERT Academic Publishing GmbH & Co. KG.	
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)		
○ Impact Factor – range / average	0.5 -2.41	1.70
○ h-index	10 Google scholar	

Publications of Faculty**CD Agashe****Papers**

1. Khelo me bhagidari ka chatra-chatrao ki nai rashya ko niyantrit karne ki chamta par padne vale prabhav kaa adhayan. **Educational Waves**, Vol. II, Issue 1, Jan. to Mar. 2011, p. 117-119.
2. Padak vijeta tairako ke vyaktivakatulnatmakaadhayan. **Journal of Health and Sports Sciences**, Vol. 3, No. 1, July 2011, p. 68-70.
3. Aayuvridhikamanstapita par padne vale prabhavkaaadhayan. **Research Link**, Vol. X(6), August 2011. ISSN - 0973-1628
4. Swasthasuchkank par aayuvridhikaaadhayan. **Lab to Land**, Vol. 3, No. 9, Jan-March 2011, 190-192. ISSN 0975-2828
5. Aayuvridhikapurva football khiladiyokeyvyaktitva par padne wale prabhavkaaadhayan. **Research Journal of Arts, Management, and Social Sciences**, Vol. 4, March 2011, 211-213. ISSN 0975-4083
6. A study on physique and extraversion dimension of personality among tribal girls players. **International journal of physical education**, ISSN No. 0974-2638) Vol. 4 no.2 October 2011.
7. Efficiency of outdoor adventure program in personality development. **Educational Wave**, Vol. 2, pp. 12-13, June 2011.
8. Effect of extrovert-introvert qualities upon job satisfaction of physical education teachers. **Educational Wave**, Vol. 2, pp. 17-9, June 2011.
9. A study on physique and extraversion dimension of personality among tribal girls players. **International Journal of Physical Education**, Vol.4, No. 2, Oct. 2011.
10. Effect of ageing on emotional stability of retired football players. **Journal of Health and Sports Sciences**, Vol. 4, No. 2, pp. 29-36 Dec. 2011.
11. Effect of ageing and extraversion on positive mental health of retired football players. **Research Journal of Arts, Management and Social Sciences**, Vol. V, pp. 553-557, Sept. 2011.
12. Impact of personality dimensions on sports emotional intelligence of physical education teachers. **Human Kinetics**, Vol. 2, Issue 1, pp. 55-58, July 2011.
13. Effect of ageing and physical fitness on extraversion. **Educational Wave**, Vol. II, Issue III, pp. 16-18, Sept. 2011.
14. Shahariaurgraminparivesh se aaye cricket khiladiyo ki khel samvegatmak buddhi katulnatmak aadhayan. **VYAYAM-VIDNYAN**, Vol. 44, No.4, 2011.
15. A study of social introversion among obese adolescent boys. **IJPESYS Refereed Research Journal**, Vol. 2, No. 1., pp 16-17, 2012.

16. Effect of Cognitive and Perceptual Motor Skills on Archery Shooting Skill. **International Journal of Physical Education, Sports and Yogic Sciences** Vol. 1 No. 2 (February, 2012): 50-51.
17. A study of sports emotional intelligence among male coaches in relation to their emotional stability and caste. **International Journal of Physical Education, Sports and Yogic Sciences**, Vol. 1, No. 4, pp. 10-11, 2012.
18. Effect of Ageing and Emotional Stability on Positive Mental Health of Retired Football Players. **International Journal of Physical Education, Sports and Yogic Sciences** Vol. 1 No. 2 (February, 2012): 74-75.
19. Effect of Reasoning Ability upon Shooting Skills of male Basketball Players. **Asian Journal of Physical Education and Computer Science in Sports**, Vol. 9, No.1, pp, 62-63, 2013.
20. Effect of binocular depth perception upon dribbling skills off female basketball players. **Academic Sports Scholar**, Vol. 2 , Issue. 11 , Nov 2013, pp. 1-3.
21. Comparative study of Phobic Personality Disorder between male and female Sportspersons. **International Journal of Physical Education, Sports and Yogic Sciences** Vol. 2 No. 2 (February, 2013): 23- 24.
22. Impact of personality dimensions on creativity of sports journalists. **International Journal of Physical Education, Sports and Yogic Sciences** 2 (2): 21-22, Feb. 2013.
23. A Comparative Study of Personality Characteristics of National Hockey Player Hailing from Public Sector and Defence Organisations. **Online International Interdisciplinary Research Journal**, {Bi-Monthly}, , Volume-III, Issue-I, Jan-Feb 2013.
24. Positive Mental Health of National Hockey Players Representing Public Sector and Defence Services. **International Journal of Innovative Research and Development**, Volume 2, Issue 4, April 2013.
25. Effect of Binocular Depth Perception upon Throwing Accuracy of Male Basketball Players. **Research Journal of Physical Education Sciences**, Vol. 1(3), 5-6, August (2013).
26. Effect of Regular Physical Activity upon Body Image of Homemakers. **Lab to Land**, Vol. 5, No. 20, 67-69, March 2014.
27. A Comparative Study of Hostile Aggression between Tribal and Non Tribal Sportspersons. **International Journal of Health, Physical Education and Computer Science in Sports**, Volume No.15, No.2, 2014, pp112-113.
28. Effects of Reasoning Ability on Field Goal Shooting Skills of Female Basketball Players. **Annals of Applied Sport Science**, Vol. 2, No. 3, pp. 1-6, **Autumn** 2014.
29. Effect of information processing and depth perception upon throwing accuracy of basketball players. **Physical education of students**, no. 2, pp. 37-42, 2015.

Books

1. Physical education program advantages for school students. LAMBERT publication.

R Venugopal

Papers

1. Venugopal, R., Inchulkar,S. (2010). Effect of Physical Education Training Program on Physiological and Physical Variables among Mentally Challenged Children. **Journal of Health and Fitness**. Indian Association of Health and Fitness. 2 (2) 12-20.
2. Venugopal, R., Gupta, O, and Patel, H. (2010).Temporal pattern of circadian rhythm in Sportsmen. **Journal of Exercise Science and Physiotherapy**,6(1),1-6.
3. Srivastva,P, Venugopal, R., and Singh, Y.,(2010).A study of personality dimension in sports performance. **Journal of Exercise Science and Physiotherapy**, 6(1), 39-42.
4. Shukla,M., Venugopal, R. Chakrovarty, S.,Bharti, P., and Mitra,M.(2010). A Comparative Study of Physical Growth and Nutritional Status Between Non-Residential and Residential Adolescent School Boys of Chhattisgarh,India.**The Asian Man** 4 (1),1-12.
5. Venugopal, R.; Gupta, O.; and Patel, H. (2010) “Temporal Pattern of Circadian Rhythm in Sportsmen” **Journal of Exercise Science and Physiotherapy**, 6: 1-6
6. Gupta, A., Gupta, O., Mitra, M. and Venugopal , R (2011). A Cross-Sectional Study of Anthropometric Somatotype in Women Players of Chhattisgarh **International Journal of Fitness** 7:2, 53-60.
7. Gupta, Omji; Patel, Hrishikesh; Venugopal, Reeta.(2011) Morningness –Eveningness in sport persons, **Research Bi-Annual for Movement**. 28:1, 9-.
8. Gupta, Omji; Patel, Hrishikesh; Pati, A.K. and Venugopal, Reeta.(2011) “Sports

- Chronobiology: Circadian Rhythms in Psychological, Physiological and Physical performances"; **The Asian Man**, 5(1),40-44.
9. Shabir Anant, Reeta Venugopal & Rajeev Choudhary (2012). Assessment and Comparison of Core Muscle Strength Among the Players of Different Games and their Interaction with age. **Human Kinetics**, 5:2, 39-44.
 10. Inchulkar S., and Venugopal, R. (2013). The Effect of a Ten week Training Program on Mentally Retarded Children. **The Asian Man**, 6(2), 166-170.
 11. Singh, M., Patel, H., and Venugopal, R. (2013) "Study of Morphological Status of University Employee" **VyayamVigyan**, 46(1) 38-43.
 12. 12 Inchulkar S., and Venugopal, R.(2013). Effect of Exercise on Psychomotor Variable In Mentally Challenged Children. **Online International Journal of Current Research** 5(5)
 13. Maninder Singh, Reeta Venugopal & Rajeev Choudhary.(2013). Assessment of Body Mass Index and Ponderal Index in relation to different age groups of University Male Employees **Indian journal of movement education and exercises sciences (IJMEES)** 3:1,1-9.
 14. Maninder Singh, Reeta Venugopal & Rajeev Choudhary (2013) Differential impact of Age and Gender on Total Body Fat Percentage in relation to University employees **Journal of Physical Education and Sports Sciences (JPSS)**,1:1,1-8.
 15. Shukla Manish, Venugopal, Reeta, MitraMitashree (2013).A Cross Sectional Study of Nutritional Status of Boys of JawaharNavodayaVidyalayaandKendriyaVidyalaya in Chhattisgarh. **Indian Journal of Physical Education and Sports Sciences** 1(1).
 16. Gupta A., Gupta O., Mitra M. And Venugopal R(2013). Nutritional Status Of University Level Women Player Of Chhattisgarh. **The Asian Man, An International Journal** 7(1).
 17. Gupta O. Patel H. And Venugopal R (2013).A study on Circadian Variation in Physiological (Oral Temperature and Heart Rate) and Physical Performance (50 Yard Dash) Variables in Judo Players. **International Human Research Journal**.2 (2)1-16.

Books

1. Arvind Tripathi, Reeta Venugopal, PriyamavandaSrivastav (2011) Sports Participation: Motivation, Family Socialization and Gender, A Study of Determinants of Sports Participation Among Adolescent. Lambert Academic Publishing 978-38475- 1460
2. ShilpaInchulkar& Reeta Venugopal (2013).Effect of Exercise in Psychomotor Abilities of Challenged Children. Lambert Academic Publishing 978-3-659-41590-6

R Choudhary

Papers

1. Choudhary, R and Krzysztof, S. (2010). The effects of dynamic surya namaskar on flexibility of university students. **Journal of Advances in Developmental Research**. 1(1), 45-48
2. Kapri, B. C. and Choudhary, R. (2010). Coordinative abilities of Indian Football players pertaining to different playing positions in football. **Human Kinetics-A bi-annual journal of physical education and fitness**. 1(1), 66-73
3. Choudhary, R., Gurjar, V. and Bahadur, H. (2010). Estimation of decathlon performance on the basis of selected physical variables. **Amass-Multilateral research journal**. 2(2), 35-39
4. Singh, K., Zala, R. S. Choudhary, R. Mishra, O. P. (2010). Comparison of life stress among different teaching professions, genders and their interactions. **Amass-Multilateral research journal**. 2(2), 46-50
5. Choudhary, R., Gurjar, V. and Bahadur, H. (2010). Estimation of decathlon performance on the basis of selected anthropometric characteristics. **Journal of Advances in Developmental Research**. 1(2), 188-190
6. Choudhary, R, Dravin and Kannaujia, S. (2010). Comparison of selected anthropometric characteristics among batsmen, bowlers and wicketkeepers in cricket. **Journal of educational chronicle**. 1(1), 17-28
7. Singh, G. K. and Choudhary, R. (2011). Estimation of basketball performance on the basis of selected anthropometric characteristics. **Persist-Journal of physical education, recreation and sports in sciences and technology**. 2(1), 07-13
8. Choudhary, R. (2010).Effect of sahaja yoga on stress vulnerability of the seriously vulnerable individuals to stress. **Indian Journal of Physical Education, sports medicine and exercise science**. 10(1), 83-94

9. Stec, K., Choudhary, R. & Kulmatycki (2010). Effect of dynamic surya namaskar on differential chest circumference of physical education students. **Human Movement**. 11 (2), 179-183
10. Singh, S. N., & Choudhary, R. (2010). Estimation of anaerobic power on the basis of vertical jump, vital capacity, in-breath chest circumference and out-breath chest circumference. **Bangladesh Journal of Sports Science**. 10 (1), 65-71
11. Choudhary, R. & Singh S. N. (2010). Prophecy of stress vulnerability based on anxiety. **SPEAAS: A Journal-Journal of sports, physical education allied and alternative sciences**. 1(1), 23-26
12. Choudhary, R. (2011). Effect of Sahaja Yoga Meditation on the Nutritional Assessment of University Students. **International Journal of Sports Science and Engineering**. 5(2), 77-24
13. Dubey P. O., Ghildial S. and Choudhary, R. (2011). Comparison of skin folds among different age group females. *Journal of Advances in Developmental Research*. 2(2), 257-261
14. Choudhary, R, Mehrotra A. and Narayan S. (2011). Effect of pracchardana and vidharna on negative breath holding capacity. **Journal of Advances in Developmental Research**. 2(2), 253-256
15. Choudhary, R. (2011). Effect of sahaja yoga meditation on lifestyle of university students. **Wellness: Journal of Health, Physical Education and Sports**. 3 (1), 62-71
16. Choudhary, R., Gurjar, V. and Bahadur, H. (2011). Estimation of decathlon performance on the basis of selected physiological variables. **Journal of educational chronicle**. 1(2), 91-94
17. Choudhary, R., Kumar, A. and Prasad, K. (2011). Comparison of selected physical variables among different levels of players. **Adhikar: An international research refereed journal related to higher education for all subjects**. 1(4), 55-58
18. Choudhary, R., Stec, K. & Kulmatycki (2011). The effects of dynamic surya namaskar on positive breath holding capacity of physical education students. **Indian journal of movement education and exercises sciences (IJMEES)**, bi-annual refereed journal. 1(1), 7-13
19. Patel K. K., Choudhary, R. (2011). Anthropometric Characteristics of upper extremities as functions of different playing positions in kabaddi. **Amass-Multilateral research journal**. 3(2), 70-75
20. Singh G. K., Choudhary, R. (2011). Effect of mental training on learning of jump shot in volley ball. **The Eternity**. 2 (1), 37-41
21. Patel K. K., Choudhary, R. (2012). Anthropometric Characteristics of lower extremities as functions of different playing positions in kabaddi. **International journal of motor learning & sport performance**. 2(1), 37-41
22. Choudhary, R., Tiwari, S, Kumar. S. & Rai, V. (2012). Comparison of selected anthropometric measurements and body composition of fast and spin bowlers of Uttar Pradesh U-19 cricket. **Indian journal of movement education and exercises sciences (IJMEES)**, bi-annual refereed journal. 2(1), 1-5
23. Mehrotra A. & Choudhary, R. (2012). Effect of interval training on motor components of junior India hockey players during first preparatory phase. **Journal of Advances in Developmental Research**. 3(1), 7-10
24. Choudhary, R, Kulmatycki L., Meena T. R. (2012). Trend of the effect of four varieties of yoga bhastrika pranayama on physical efficiency index. **Archives of Budo**. 8(2), 117-124
25. Choudhary, R, Singh V., Verma P. (2012). Hardiness assessment of physical education students pertaining to different courses. **Human Kinetics**. 2(2), 17-20
26. Singh V., Singh G. K. & Choudhary, R. (2012). A study of trend of the effect of sahaja yoga meditation on rhythmic ability. **Indian journal of physical education and yogic sciences**. 2(2), 46-51
27. Patel K. K. & Choudhary, R. (2012). Subject's characteristics as functions of different playing positions in kabaddi. **CAPITAL: Research journal of physical education and sports sciences**. 1(1), 11-14
28. Patel K. K. & Choudhary, R. (2012). Incentive Motivation as functions of different playing positions in kabaddi Players in intervarsity kabaddi championship of Gujarat state. **International research journal of physical education recreation and sports sciences**. 1(1), 27-34

29. Kuswah. D. & Choudhary, R. (2012). Effect of idiomotor training and progressive muscular relaxation training on playing ability of badminton players. **International journal of movement education and social science**. 1(1), 64-66
30. Arora, D. C., Mehrotra, A. & Choudhary, R. (2012). Inter relationship of selected psychological variables on Indian women hockey players. **SPEAAS: A Journal-Journal of sports, physical education allied and alternative sciences**. 1(2), 01-05
31. Choudhary, R. , Singh V. & Verma, P. (2012). Self care assessment of physical education students pertaining to different courses. **SPEAAS: A Journal-Journal of sports, physical education allied and alternative sciences**. 1(2), 44-50
32. Choudhary,R., Meena, T. R., & Singh, V. K. (2012). Estimation of Cricket Performance of the Cricketers of 10 to 15 Years Age Group on the Basis of Selected Anthropometric Characteristics. **International Journal of Sports Glimpses**.1(2)133-140.
33. Anant, S. K., Venugopal, R. & Choudhary, R. (2012). Assessment and Comparison of Core Muscles Strength among the Players Different Games and their Interaction with Gender. **Human Kinetics**.5 (2),39-44.
34. Singh, M., Venugopal, R. & Choudhary, R. (2013). Assessment of Body composition and ponderal index in relation to different age groups of university male employees. **Indian journal of movement education and exercises sciences (IJMEES), bi-annual refereed journal**. 3(1). 82-90
35. Singh, M., Venugopal, R. & Choudhary, R. (2013). Differential impact of age and gender on total body fat percentage and their interaction in relation to university employees. **Journal of physical education an sports sciences**. 1(1), 1-8.
36. Choudhary, R. & Singh, P. J. (2014). Comparative Effect of Bhramari and SurayBhedan Pranayam and Balance Abilities of University Level Students. **International Journal of Motor Learning and Sports performance**.3 (1), 54-59
37. Kadiyan, N., Nanda, Y. & Choudhary, R. (2013). Social Intelligence Assessment of Indian Yogies Belonging to Different Yogic Practices. **AMASS: Multilateral Research Journal**. 5(2), 6-10
38. Nanda, Y., Kadiyan, N., & Choudhary, R. (2013). Effect of Sahaja Yoga on Self Care. **CAPITAL: Research journal of physical education and sports sciences**. 1(2), 111-116
39. Singh, M. K., Pradhan, S., Singh, G. K., Choudhary, R. (2014). Comparison of health related fitness components between urban and rural school boys of Chhattisgarh. **Vaichariki: Multi disciplinary international refereed research journal**. 4 (2), 76-82
40. Pradhan, S., Chaudhary, V., Singh, G. K., Choudhary, R. (2014). Estimation of wrestling performance on the basis of back strength in 50 kilogram weight category. **AKASH: Journal of physical education, sports and yoga sciences**. 3(1), 10-15
41. Anant,S.K. , Choudhary, R. , Venugopal, R. (2014) . Effect of Core Training on Anaerobic Power, Explosiveness, Repetitive Power and Endurance of Male Players. **International Human Research Journal, {Online Interdisciplinary-Quarterly}**.2 (3), 1-8
42. Patel, R. & Choudhary, R. (2015). Comparison of reaction ability among different playing positions handball players. **National journal of physical education and sports science**. 2 (1), 80-82
43. Singh, P. & Choudhary, R. (2015). Impact of playing positions on quickness of national level netball players. **National journal of physical education and sports science**. 2 (1), 83-86

Research Papers in Proceedings

1. Sisodia A. S. Choudhary, R. (May 25-28, 2010). Comparison of Stress Vulnerability among different teaching professions, genders and their interactions, Proceedings of the III International Conference of physical education and sports science (pp.334-339). Singapore: Physical education and sports science academic group, NIE.
2. Meena T R. & Choudhary, R. (October 19-21, 2011). Estimation of lean body mass on the basis of vertical jump, weight, vital capacity, in-breath chest circumference, Proceedings of International Conference on physical activities & sports for global peace & development. (pp.121-124). New Delhi: Department of Physical education and sports science IGIPSS.
3. Kumar A., Meena T R. & Choudhary, R. (January 19-21, 2012). Differential impact of participation in different games on academic performance, Proceedings of International seminar on physical education, recreation and yogic sciences AKASH. (pp.309-312). Varanasi: Department of Physical education, BHU.

4. Singh V., Choudhary, R., Meena T R. & Sharma P. (January 19-21, 2012). Association between degree of hardiness and different physical education courses students, Proceedings of International seminar on physical education, recreation and yogic sciences. (pp.366-370). Varanasi: Department of Physical education, BHU.
5. Choudhary, R. (February 13-19, 2012). Yoga for rejuvenation and spiritual development: Candid opinion about pranayama (Keynote Address), Proceedings of 1st International seminar yoga week/workshop. (pp.16-20). Goa: Department of Physical education, Rosary College of Commerce and Arts
6. Dahiya, S., Choudhary, R., Meena T. R., Sharma P. (February 13-19, 2012). Trends of the effects of four varieties of bhastrika pranayama on positive breath holding capacity, Proceedings of 1st International seminar yoga week/workshop. (pp.45-53). Goa: Department of Physical education, Rosary College of Commerce and Arts
7. Choudhary, R. (February 27-28, 2012). Effect of sahaja yoga meditation on the alcohol and drug assessment of university students (Keynote Address), Souvenir, UGC sponsored National seminar on recent trends in physical education and sport: An overlook. (pp.5-16). Mahilpur, S. G. G. S. Khalsa college
8. Ghildial S., Dubey P. O. and Choudhary, R. (July 24-25, 2012). Comparison of skinfolds among different age group females. Republished in Proceedings of 2012 Pre-Olympic congress on sports science and computer science in sports (IACSS2012) (pp. 269-273). Liverpool, United Kindom (Dubey P. O., Ghildial S. and Choudhary, R. (2011). Comparison ---- females. Journal of --- Developmental Research. 2(2), 257-261)
9. Choudhary, R, Mishra, O. P. (January 24-26, 2014). Effect of Sahaja Yoga Meditation on the Nutritional Status of University Students. Proceedings of Global Scientific Conference on Physical Education, Health & Sports Sciences, (pp. 293-296), Department of Physical Education (Teaching) GNDU, Amritsar
10. Raj, K. & Choudhary, R. (January 6-7, 2015). Comparative effects of mental training and ideo-motor training on ipponseoinage in judo. Proceedings of International Conference on Physical Education and Sports Science (pp. 141-152), JECRC University, Jaipur Rajasthan
11. Mishra, M. K. & Choudhary, R. (January 6-7, 2015). Estimation of Raider's performance on the basis of reaction ability in kabaddi. Proceedings of International Conference on Physical Education and Sports Science (pp. 159-164), JECRC University, Jaipur Rajasthan
12. Peter, V. F., Anant, S. K., Choudhary, R. (January 6-7, 2015). Analytical study in relation to different life style contents of university students. Proceedings of International Conference on Physical Education and Sports Science (pp. 159-164), JECRC University, Jaipur Rajasthan
13. Choudhary, R. (February 27-28, 2015). Suggestive approach for scholars in the field of physical education and sports. Proceedings of National Conference on Trends, Issues and Future of Physical Education and Sports (pp. 18-21), MM's Chandrashakher Agashe College of Physical Education.
14. Bhuril, L, Choudhary, R. (May 15-16, 2015). Comparative study on balance ability of footballers of regions and playing positions. Proceedings of National Conference of Physical Education and Sports Sciences (pp 46-49). School of Physical Education and Sports, ITM University
15. Bhuril, L, Choudhary, R. (May 31, 2015). Impact of regions and playing positions on reaction ability of footballers. National Workshop cum Conference 2015 (pp 1-3). IPS, Gwalior

Books

1. Choudhary, R. (2011). The Sahaja Yoga Meditation and Life Style. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
2. Purandare, P. & Choudhary, R. (2011). The Effects of Prandharana and Tratak. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
3. Thakur, B. C. & Choudhary, R. (2011). Life Style Assessment of Indian Yogis. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
4. Patel, R. P. & Choudhary, R. (2011). Psychological and Physiological Characteristics of Handball Players. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
5. Patel, K. & Choudhary, R. (2011). Characteristics of Indian Kabaddi Players. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
6. Singh, S. N. & Choudhary, R. (2011). Stress Vulnerability and Anthropometric

characteristics of Sportsmen. Germany: LAMBERT Academic Publishing GmbH & Co. KG.

7. Stec, K. Z. & Choudhary, R. (2011). The effects of dynamic surya namaskar. Germany: LAMBERT Academic Publishing GmbH Co. KG.
8. Prakash J. & Choudhary, R. (2012). Effects of bharmari and surya-bhedanpranayamas. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
9. Singh, V., Choudhary, R. (2014). Effects of Yogic Bhastrika Pranayama & its Trend on Balance. Germany: LAMBERT Academic Publishing GmbH & Co. KG.
10. Pradhan, S & Choudhary (2014). Estimation of Wrestling Performance on the basis of Back Strength. Germany: LAMBERT Academic Publishing GmbH & Co. KG.

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Counselling in sports psychology, sports injuries, training, sports organization
Income generated - Honorary

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

Nil

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards - any other (please specify)

CD Agashe

1. Member, Maharashtra State Eligibility Test (SET) Physical Education.
2. Member, Chhattisgarh State Eligibility Test (SET) Physical Education.
3. Chairman, Board of Studies, Pt. R.S.U., Raipur.
4. Dean, Faculty of Physical Education, Pt. R.S.U. Raipur
5. Member, Standing Committee, Pt. R.S.U., Raipur
6. Member, Planning and Evaluation Committee, Pt. R.S.U. Raipur
7. Subject Expert, Board of Studies, Nagpur University, Nagour
8. Member Selection Committee, Mumbai University
9. Member Selection Committee, Amravati University
10. Member Selection Committee, Kamdhenu University
11. Member Selection Committee, Bastar University
12. Paper Setter, Public Service Commission Madhya Pradesh
13. Ph.D. examiner - Indore Uni., Mumbai Uni, Pune Uni, Amravati Uni., North Maharashtra Uni., Mahatma Gandhi Uni., Gujarat, Jabalpur Uni., Rewa Univer., Bilaspur Uni., MATS Uni., CV Raman Uni.

R Venugopal

Editorial Boards

- Associate Editor, International Journal of Sports Science and Fitness

Any other:

- Selection Committee for Assistant/Associate Professor and Professor in Physical Education Guru ghasi Das Central University, Bilaspur(CG).
- Selection Committee for Assistant/Associate Professor and Professor in Physical Education Viswa Bharti, Shantiniketan, West Bengal.
- Selection Committee for Sports Officer, PSC, CG.
- Selection Committee for Sports Officer Indira Gandhi Agriculture University, Raipur CG
- Head, School of Studies, Physical Education, 1990-1992, 1994-2013
- Chairman Board of Study Physical Education, 2002-2011
- Member Academic Council - 1990-92, 1994-2013
- Dean, Faculty of Education, 2009-2011, 2011-2013

- Member Planning and Evaluation Board
- Member Executive Council, 2011-2013
- Director Centre for Women Studies, 2012-till date
- Member Board of Studies in Physical Education, D.B. Govt. P.G. College, Pt. RSU Raipur.
- Member Research Committee Physical Education ,Guru Ghasi Das Central University, Bilaspur.
- VC Nominee, Examination Committee
- Member Sports Committee, Department of Sports Pt. RSU, Raipur.

R Choudhary

Editorial Boards

S. NO.	CAPACITY	NAME OF JOURNAL	ISSN
1.	Sub-Editor	AMASS, Multilateral Research Journal, Bi-lingual, Bi-Annual	0975-3966
2.	Member of Editorial Board	PERSIST, Journal of Physical Education Recreation and Sports Sciences & Technology	0975 -7414
3.	Member of Editorial Board	SPEAAS: A Journal, Journal of Sports, Physical Education Allied and Alternate Science	2230 -7931
4.	Member of Editorial Board	IJPEYS, Indian Journal of Physical Education and Yogic Science	2229 -3191
5.	Member of Editorial Advisory Board	JPEY, Journal of Physical Education and Yoga	0975 -9301
6.	Member of Advisory Board	WELLWES, Journal of Health Physical Education & Sports	0975-136
7.	Members of Advisory Board	IJMEES, Indian Journal of Movement Education and Exercise Science	2249 -5010 (Print) 2249 -6246 (Online)
8.	Members of Board of Referees	AICPE,HUMAN KINETICS, A Journal of Physical Education and Fitness	0976 -6588
9.	Academic Consultant	AKASH, Journal of Physical Education and Yogic Science	2250 -1398
10.	Members of Referees Board	Journal of Educational Chronicle, An International Journal of Education	2229 -6220
11.	Panel of Referees	International Journal of Movement Education and Social Science	2278-0793
12.	Member of Advisory Board	JOURNAL OF PHYSICAL EDUCATION AND SPORTS SCIENCES (Annual Journal of Sports Sciences and Researches)	2319-9946
13.	Member of Advisory Board	IJMESS, International Journal of Movement Education and Sports Sciences	2321-7200 (Online)
14.	Member of Panel of Experts	CAPITAL, Research Journal of Physical Education and Sports Sciences	2277-8519

S. No.	Membership	Professional Body
1.	Vice President	Society for Research of Movement Education (SRME)
2.	Life Member	National Association of Physical Education and sports
3.	Life Member	Sports Psychology Association of India
4.	Life Member	Council for Teacher Education
5.	Life Member	All India Council of Physical Education
6.	Life Member	Malviya Mission

Any other: Member in Professional Body

Any other: Faculty currently Serving in Committees in PRSU

1. Member of Board of Studies of Physical Education, Pt. Ravishankar Shukla University, Raipur from 13/10/2014 to 12/10/2017.
 2. Member of Board of Studies, Department of Physical Education, Tripura University, 2014-15.
 3. Joint Proctor, Pt. Ravishankar Shukla University, Raipur from 13/05/2015 to 12/05/2017.
 4. Member of Anti Ragging Committee, Azad Hostel, Pt. Ravishankar Shukla University, Raipur, 2015-16.
 5. Member of Grievance Redress Cell, Azad Hostel, Pt. Ravishankar Shukla University, Raipur, 2015-16.
 6. Member of Central Anti Ragging Committee, Pt. Ravishankar Shukla University, Raipur, 2015-16.
 7. Member of Anti Ragging Squad, Pt. Ravishankar Shukla University, Raipur, 2015
27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

05

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects

Nil

- percentage of students doing projects in collaboration with other universities/industry/institute

Nil

29. Awards / recognitions received at the national and international level by

- Faculty -

R Choudhary**International level**

1. Awarded 1st Prize in Paper Presentation, International Conference on Tantra Sharir, Kundalini Yoga & Psychosomatic Disorders, 27-28 September, 2015, Department of RachnaSharir, Faculty of Ayurveda, BHU.

National level

2. Awarded as “Best NCC Officer (ANO)” NCC Group HQ, Varanasi-A (Ministry of Defense, Government of India), 2011.

- Doctoral / post doctoral fellows – Nil

- Students – Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Workshop	National Workshop on Trekking, 2013	UGC	Dr Sunil Dudhale, Dr Sunil Verma
Seminar	Exercise and Hypo kinetic Problems in Modern Day Oct. 2013	UGC	Dr N. Nagarkar Director AIIMS Mrs. Saba Anjum Int. Hockey players
Workshop	AIIMS Bystander Emergency care Course 2014	CCOST	Dr. Ingle, AIIMS Dr. Saba, AIIMS

31. Code of ethics for research followed by the departments:

- DRC
- Plagiarism Cell

- IEC for Human Research

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected(at entry level: 1 st semester)		Pass percentage(total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
B.P.Ed.					
2010-2011	30	15	08	100	100
2011-2012	85	33	13	100	100
2012-2013	72	25	11	100	100
2013-2014	47	16	17	100	100
2014-2015	40	19	18	100	100
2015-2016	72	21	22	100	100
M.P.Ed.					
2010-2011	48	20	10	100	100
2011-2012	137	28	12	100	100
2012-2013	118	26	14	100	100
2013-2014	81	26	14	100	100
2014-2015	126	22	18	100	100
2015-2016	155	26	14	100	100

33. Diversity of students

Name of the Program [Refer to Question # 4]	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.P.Ed.	70	20	10	-
M.P.Ed.	70	10	20	-
Ph.D.	90	-	10	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

List of Candidate Qualified For JRF			
	Candidate Name	Year	Category
1	Sabir Kumar Anant	Dec-08	SC
2	Harishankar Sahu	Dec-09	OBC
3	Yogendra Singh Punia	Jun-10	GEN
4	Sourabh Pradhan	Jun-14	OBC
5	Vijay Kumar Chaurasiya	Dec-14	OBC
6	KarmishthaShambharkar	Dec-14	SC
7	Amit Verma	Dec-14	OBC
List of Candidate Qualified For NET			
1	Hemprakash Nayak	Dec-97	OBC
2	Arun Kumar Nayak	Dec-04	OBC
3	BhojramRawte	Dec-04	ST
4	Ram Kumar Thakur	Jun-05	GEN
5	MadanlalKuree	Dec-05	ST
6	Kiran Damle	Jun-09	SC
7	Ashutosh Pandey	Jun-11	GEN
8	Satish Kumar Singh Yadav	Jun-12	OBC
9	Adarsh Mishra	Jun-12	GEN
10	Hrishikesh Patel	Jun-12	OBC
11	Omji Gupta	Jun-12	GEN
12	Krishna Yadav	Jun-12	OBC
13	Liton Sarkar	Jun-12	GEN
14	Manindar Singh	Jun-12	GEN
15	Manoj Singh Thakuri	Jun-12	GEN

16	Rakesh Kumar Patel	Jun-12	OBC
17	Sailja Gupta	Jun-12	OBC
18	Alok Kumar Singh	Dec-12	OBC
19	BudeshwariMarkam	Dec-12	OBC
20	Diwakar Singh Yadav	Dec-12	OBC
21	Jagjit Singh	Dec-12	OBC
22	Neelu Jaiswal	Jun-13	OBC
23	Vivek Sahu	Dec-13	OBC
24	BharatiRajak	Dec-13	OBC
25	Dileep Tirkey	Dec-13	SC
26	Virendra Kumar	Dec-13	OBC
27	Rajeev Bera	Jun-14	GEN
28	Rohit Kumar Singh	Jun-14	OBC
29	Anita Gupta	Jun-14	GEN
30	Rohit Srivastava	Dec-14	GEN
31	Satish Kumar Solanki	Dec-14	OBC
32	Ayaz Ahmed Khan	Dec-14	OBC
33	Jyoti Yadav	Dec-14	OBC
34	Shreekant Yadav	Dec-14	OBC
35	Gyanendra Bhai	Dec-14	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	50%
PG to M.Phil.	20%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	-
Employed	-
□ Campus selection	-
□ Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	-
of the same university	33%
from other universities within the State	-
from universities from other States from	67%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Available
b) Total number of class rooms	04
c) Class rooms with ICT facility	02
d) Students' laboratories	0
e) Research laboratories	02

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

Currently Working [Registered/Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1	Manoj Singh Thakuri	V Mishra	2013	Physical Education

2	Naresh Ku. Sahu	V Mishra	2014	Physical Education
3	Pramod Ku.Yadav	V Mishra	2014	Physical Education
4	Dev Narayan	V Mishra	2013	Physical Education
5	Milind Bhandeo	V Mishra	2013	Physical Education
6	Neelu Jaiswal	V Mishra	2013	Physical Education
7	Subuhi Nishad	R Venugopal	2014	Physical Education
8	Maninder Singh	R Venugopal	2013	Physical Education
9	Rinku Tiwari	R Venugopal	2011	Physical Education
10	Ashutosh	R Venugopal	2014	Physical Education
11	Sabir Anant	R Venugopal	2011	Physical Education
12	Priyanka Singh	R Choudhary	2013	Physical Education
13	Diwakar Singh	R Choudhary	2013	Physical Education
14	Rakesh Patel	R Choudhary	2013	Physical Education
15	Bharti Rajak	R Choudhary	2013	Physical Education
16	Sachin Singh	R Choudhary	2015	Physical Education
17	Chandra	R Choudhary	2015	Physical Education
18	Amit Verma	CD Agashe	2015	Physical Education
19	Alok Kumar Singh	CD Agashe	2012	Physical Education
20	Vijay Ku.Chaurasiya	CD Agashe	2014	Physical Education
21	Sourabh Pradhan	CD Agashe	2014	Physical Education
22	Karmishtha	CD Agashe	2013	Physical Education
23	BikasSaha	CD Agashe	2011	Physical Education

Doctoral degree Awarded [2010-2015]				
S. No.	Name of Student	Guide	Year	Subject
1.	RamanandYadu	CD Agashe	2010	Physical Education
2.	ArunNayak	CD Agashe	2013	Physical Education
3.	MadanlalKurre	CD Agashe	2013	Physical Education
4.	Bashir Khan Pathan	CD Agashe	2013	Physical Education
5.	BhushanKekre	CD Agashe	2013	Physical Education
6.	Jagjeet Singh	CD Agashe	2013	Physical Education
7.	B.L. Bhate	CD Agashe	2013	Physical Education
8.	Pramod Tiwari	CD Agashe	2015	Physical Education
9.	Arvind Tripathi	R Venugopal	2010	Physical Education
10.	ShilpaInchulkar	R Venugopal	2011	Physical Education
11.	Hrishikesh Patel	R Venugopal	2011	Physical Education
12.	Sunil Bhoi	R Venugopal	2014	Physical Education
13.	Dilip Tirkey	R Venugopal	2014	Physical Education
14.	Bhojram Rawte	R Venugopal	2015	Physical Education

b) from other institutions/universities	Nil
---	-----

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes

b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Discuss at the personal level
c) Alumni and employers on the programs offered and how does the department utilize the feedback? Interaction with the faculty members in the department

43. List the distinguished alumni of the department (maximum 10)

S. No	Name	Subject	Year	Current Position Held
1.	Dr. Santosh Bajpai	Physical Education	2010	Sports Officer Govt. Madanlal Shukla Mahavidyalaya, Seepat, Bilaspur C.G.
2.	Dr. Sharda Kashyap	Physical Education	2010	Sports Officer Govt. Bilasa Girls College, Bilaspur C.G.
3.	Dr. Pramod Mene	Physical Education	2009	Sports Officer Govt. Sanskrit Colleger, Raipur
4.	Dr. Sunil Dudhale	Physical Education	1986	Deputy Director, Deptt. of Physical Education, Devi Ahilya University, Indore MP
5.	Dr. Ajay Karkare	Physical Education	2002	Principal, Rani Laxmibai Mahila Mahavidyalaya Sawargaon, Nagpur
6.	Dr. Omji Gupta	Physical Education	2009	Asstt Prof Govt. College Kurud C.G.
7.	Dr. Vishnu Shrivastav	Physical Education	2009	Sports Officer Govt. Science College Raipur C.G.
8.	Dr. Alok Dubey	Physical Education	2009	Sports Officer National Institute of Technology (NIT) Raipur C.G.
9.	Dr. Ravindra Nath Mishra	Physical Education	1998	Sports Officer Govt. College Mahasamund CG
10.	Dr. ML Chandrakar	Physical Education	2006	Sports Officer CMD College Bilaspur C.G.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

- Pre marital counselling program was organised by SOS in Physical Education on 3rd Feb., 2014. Prof. Savita Deshpande, HOD, Deptt. of Psychology, Garware College, Pune acted as a counsellor.
- Yoga Demo and Lecture was organised on 3rd Feb., 2014 by SOS in Physical Education, Pt. R.S.U., Raipur C.G.
- Aerobic demonstration has been organised in SOS in Physical Education, Pt. R.S.U., Raipur. Dr. Shalini from GGDU, Bilaspur conducted the program.
- Lecture on Disaster Management, Organised by SOS in Physical Education on 20th March. Resource person was Prof. NinadBodhankar, SOS in Geology, Pt. R.S.U., Raipur.

HIV awareness building program was organised by SOS in Physical Education on 28th March, 2014. Dr. Promila Singh, SOS in Psychology, acted as counsellor

45. List the teaching methods adopted by the faculty for different programs.

1. Demonstration method;
2. Traditional method;
3. Audio Video interactive method

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- (a) Through staff council meeting;
- (b) Interaction with students;
- (c) Interaction with faculty members from other universities

47. Highlight the participation of students and faculty in extension activities.

Organisation of competitive sports in the campus and also outside campus

48. Give details of “beyond syllabus scholarly activities” of the department.

Helping different associations, schools, colleges to conduct competitive sports

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Best Infrastructure facilities in tribal dominated State
- High demand of the graduates of the School
- Effective participation in sports activities in the university and the State
- State-of-art laboratory facility for physiotherapy

Weaknesses

- Lack of advanced sports infrastructure, such as synthetic track, swimming pool
- Mobilization of funds for research activities

Opportunities

- To popularize sports activity among tribal population
- Program for health and fitness in welfare of society
- Program on sports management, emergency care, yoga, rehabilitation of sports injuries

Challenges

- To be abreast with ever changing scenario in physical education world
- Competition with national institutions with same standard

52. Future plans of the department.

- To develop advanced lab for research in the field of physical education
- To develop hostel facilities for in-housing the students
- 4. Introduction of new job oriented courses to cater the demand of the society

Evaluative Report of the Department

1. Name of the Department: School of Studies in Physics and Astrophysics
2. Year of establishment: 1972
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Physics	1972
2.	M. Phil	Research	Physics	2008
3.	Ph. D	Research	Physics	1972

5. Interdisciplinary programs and departments involved

Program: M. Tech. in Opto Electronics & Laser Technology

Department involved: Electronics

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

ARIES, Nainital, IUCAA, Pune

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual - M.Phil.
- Semester - M.Sc. with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

1) M. Tech. in Optoelectronics & Laser Technology offered by SoS in Electronics

2) M.Sc. Integrated Program offered by Centre for Basic Science

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	5
Associate Professor	5	3	-
Assistant Professor	5	3	2
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 4 years	
					Ph. D.	M. Phil.
SK Pandey	M.Sc., Ph.D.	Professor & VC	Astronomy & Astrophysics	39	2(2)*	3
RC Agrawal	M.Sc., Ph.D.	Professor	Solid State Physics, Materials Science	34	3	2
RN Baghel	M.Sc., Ph.D., MCA,	Professor & Head	Solid State Physics,	30	2	1

			Luminescence			
N Brahme	M.Sc., M. Phil., Ph.D.	Professor	Solid State Physics, Optical Properties of Bulk/ Nano Phosphors	19	2	6
DP Bisen	M.Sc., M. Phil., Ph.D.	Professor	Solid State Physics, Optical Properties of Bulk/ Nano Phosphors	21	2	5
AS Gour	M.Sc., M. Phil., Ph.D.	Sr. Asst. Professor	Solid State Physics, Luminescence	17	-	1
NK Chakradhari	M.Sc., UGC- CSIR-NET	Asst. Professor	Astronomy & Astrophysics	09	-	-
*Currently Working						

12. List of senior Visiting Fellows, Adjunct Faculty, and Emeritus Professors.

DK Chakraborty (SVF): 2004

BP Chandra (EP): 2014

YM Gupta (AF): 2014

13. Percentage of classes taken by temporary faculty – program-wise information

Year	M.Sc. Program %	M.Phil. Program %
2010-11	25	Nil
2011-12	25	Nil
2012-13	Nil	Nil
2013-14	26	Nil
2014-15	26	Nil
2015-16	35	Nil

14. Program-wise Student Teacher Ratio

Session	M. Sc.	M.Phil.
2010-2011	9:1	1.14:1
2011-2012	8:71	1.43:1
2012-2013	8:57	0.71:1
2013-2014	9.14:1	0.71:1
2014-2015	9:1	NIL
2015-2016	9.71:1	NIL
Ph.D. 6 research scholars (maximum) with each teacher		

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual (including CAS & MPS)
Technical	6	6	6
Administrative Staff	-	-	-

16. Research thrust areas as recognized by major funding agencies

Thrust area	Major Funding Agencies
Material Science	DST-FIST, CSIR, CCOST
Astronomy & Astrophysics	DST, ISRO

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Ongoing Projects				
PI/Co-PI	Project Title	Funding Agency	Year	Amount (INR in Lac)
PI- RN Baghel Co-PI- DP Bisen	Luminescence behaviour of $(\text{ZnS})_{1-x}(\text{Mn Te})_x$ Semiconducting phosphors.	CCOST	2011-14	2.00
PI- RN Baghel	Departmental Project	DST-FIST	2013-18	97.00
PI- RC Agrawal	Effect of High Energy Ball-milling and Study of ----- in Dry Polymers Electrolytes.	CCOST	2013-16	5.00
PI- Nameeta Brahme Co-PI- DP Bisen	“Rare earth doped $\text{Ca}_2\text{Al}_2\text{SiO}_7$ nano / micro Phosphors: Synthesis, Characterization and Device Prospects” CGCOST.	CCOST	2013-16	5.00
PI- AS Gour	Studies on the Present Luminescence ----- Strontium Aluminosilicate Phosphors.	CCOST	2013-16	5.00

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

DST-FIST, Total Grant- 97 Lac

20. Research facility / centre with:

a) state recognition	-
b) national recognition	<p>IUCAA Reference Centre</p> <p>The IUCAA Resource Centre (IRC) is functional at SoS in Physics & Astrophysics, Pt. R.S. University, Raipur Since 1999. It is established and supported by Inter-University Centre for Astronomy & Astrophysics (IUCAA), Pune which is a premier research center in the field of Astronomy & Astrophysics under UGC. The basic objective of IRC is to promote teaching and research in A&A in this region. This is the only center knowledge and provides facilities in the field of A&A. Since functional at the central region of India to impart its establishment it has played a significant role in the sustenance of research interests among the faculty members and research scholars. The capability of the center was further strengthened by creating a high speed data center for astronomical Data archival and analysis in 2009. Physically its not possible every one to visit IUCAA, Pune for utilizing similar facilities. Hence, this has proven to be another milestone of the center. There are PCs/Servers with sophisticated softwares installed, LCD Projector, Printer and Scanner. Facilities are available for the Ph.D., M.Phil., M.Sc. Courses and Research works not only to this University but also to the other University/Colleges. Apart from above academic activities IRC also organizes astronomical outreach activities quite regularly for common people and school students/teachers during various occasions such as solar, eclipse, lunar eclipse, transit events and to show the phase of Venus/Moon, beautiful ring of Saturn, crater of the moon, nebulae etc. IRC has been provided a 6 inch Newtonian telescope with necessary back-end optics by IUCAA, Pune for this purpose. The telescope is handy and portable, hence has been used to organize activities at different schools/colleges, public areas in the nearby cities. The Center has produced a number of trained</p>

	and skilled man-power serving in the National/International Institutions.
c) international recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter		Number				Average
		Scopus		Non-Scopus		Scopus
		Nation	International	Nation	international	
		○ Number of papers published in peer reviewed journals (national / international)		6	107	
○ Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Scopus	98				16.33
	Google Scholar	173				28.83
○ Citation Index – range/ average	Scopus	1-687				176
	Google Scholar	1-1092				447
○ h-index	Faculty	Scopus h-index		Google Scholar h-index i-10		
	SK Paney	6		-		-
	RC Agrawal	13		17		23
	RN Baghel	6		6		4
	N Brahme	5		11		13
	DP Bisen	6		13		21
	AS Gour	2		3		1
	NK Chakrdhari	4		-		-

Publications of Faculty

RC Agrawal

1. Ashrafi, R., Sahu, D.K., Kesharwani, P., Ganjir, M., Agrawal, R.C. 2014. Ag+-ion conducting Nano-Composite Polymer Electrolytes (NCPEs): Synthesis, characterization and all-solid-battery studies, *Journal of Non-Crystalline Solids*, Vol 391, p91-95 [JIF: 1.716]
2. Agrawal, R.C. 2013. Magnesium Ion conducting polymer electrolytes: Potential alternative as non-lithium electrolytes for all-solid-state battery application, Technical Proceedings of the 2013 NSTI Nanotechnology Conference and Expo, NSTI-Nanotech 2013
3. Agrawal, R.C., Sahu, D.K., Mahipal, Y.K., Ashrafi, R. 2013. Investigations on ion transport properties of hot-press cast magnesium ion conducting Nano-Composite Polymer Electrolyte (NCPE) films: Effect of filler particle dispersal on room temperature conductivity, *Materials Chemistry and Physics*, Vol 139, p410 [JIF: 2.259]
4. Agrawal, R.C., Ashrafi, R., Sahu, D.K., Mahipal, Y.K., Bhatt, A. 2013. Ion transport characterization and cell potential discharge performance studies of hot-press casted

- solid polymer electrolyte (SPE):[(1-x)PEO: xAg(ClO₄)], *Indian Journal of Pure and Applied Physics*, Vol 51, p354 [F] [JIF: 0.711]
5. Agrawal, R.C., Sahu, D.K., Mahipal, Y.K., Ashrafi, R. 2013. Ion transport property of hot-press cast Mg²⁺-ion conducting nano-composite polymer electrolyte membranes: Study of effect of active/passive filler particle dispersal on conductivity, *Indian Journal of Pure and Applied Physics*, Vol 51, p320 [F] [JIF: 0.711]
 6. Pandey, G.P., Agrawal, R.C., Hashmi, S.A. 2011. Performance studies on composite gel polymer electrolytes for rechargeable magnesium battery application, *Journal of Physics and Chemistry of Solids*, Vol, p [F] [JIF: 1.918]
 7. Agrawal, R.C., Mahipal, Y.K., Sahu, D., Shrivastava, G. 2011. Study of ion transport behavior in a mechanochemically synthesized silver halide mixed composite system: [0.75 AgI:0.25 AgCl], *Journal of Non-Crystalline Solids*, Vol 357, p3670-3674 [F] [JIF: 1.716]
 8. Pandey, G.P., Agrawal, R.C., Hashmi, S.A. 2011. Magnesium ion-conducting gel polymer electrolytes dispersed with fumed silica for rechargeable magnesium battery application, *Journal of Solid State Electrochemistry*, Vol 15, p2253-2264 [F] [JIF: 2.446]
 9. Agrawal, R.C., Mahipal, Y.K., Ashrafi, R. 2011. Materials and ion transport property studies on hot-press casted solid polymer electrolyte membranes: [(1 - X) PEO: X KIO₃], *Solid State Ionics*, Vol 192, p6-8 [F] [JIF: 2.112]
 10. Agrawal, R.C., Mahipal, Y.K. 2011. Study of electrical and electrochemical behaviour on hot-press synthesized Nano-Composite Polymer Electrolyte (NCPE) membranes: [(70PEO: 30 KNO₃) + x SiO₂], *International Journal of Electrochemical Science*, Vol 6, p867-881 [F] [JIF: 1.956]
 11. Pandey, G.P., Agrawal, R.C., Hashmi, S.A. 2010. Electrical and electrochemical properties of magnesium ion conducting composite gel polymer electrolytes, *Journal of Physics D: Applied Physics*, Vol 43, p255501 [F] [JIF: 2.521]

RN Baghel

1. Sahu, I.P., Chandrakar, P., Baghel, R.N., (...), Brahme, N., Tamrakar, R.K. (2015). Luminescence properties of dysprosium doped calcium magnesium silicate phosphor by solid state reaction method. *Journal of Alloys and Compounds* [F] [JIF: 2.999]
2. Chandrakar, R.K., Baghel, R.N., Chandra, V.K., Chandra, B.P. (2015). Synthesis, characterization and photoluminescence studies of Mn doped ZnS nanoparticles. *Superlattices and Microstructures* [F] [JIF: 1.979]
3. Chandra, B.P., Chandra, V.K., Jha, P., Patel, R.P., Baghel, R.N. (2015). Possibility of elasto-mechanoluminescence dosimetry using alkali halides and other crystals. *Radiation Measurements*. <http://dx.doi.org/10.1013/j.radimeas>. [F] [JIF: 1.14]
4. Pateria, D., Baghel, R.N., Bisen, D.P., Jha, P., Chandra, B.P. (2015). Mechanoluminescence of (ZnS)_{1-x}(MnTe)_x nanophosphors excited by impact of a load. *Journal of Luminescence* [F] [JIF: 2.367]
5. Chandrakar, P., Bisen, D.P., Baghel, R.N., Chandra, B.P. (2015). Synthesis and Optical Properties of CaMgSi₂O₆:Ce³⁺ Phosphors. *Journal of Electronic Materials* [F] [JIF: 1.798]
6. Chandrakar, R.K., Baghel, R.N., Chandra, V.K., Chandra, B.P. (2015). Synthesis, characterization and photoluminescence studies of undoped ZnS nanoparticles. *Superlattices and Microstructures* [F] [JIF: 1.979]
7. Chandra, B.P., Chandra, V.K., Jha, P., Pateria, D., Baghel, R.N. (2015) Is the fracto-mechanoluminescence of ZnS:Mn phosphor dominated by charged dislocation mechanism or piezoelectrification mechanism? *Luminescence: The journal of Biological and chemical luminescence*.
8. Chandrakar, P., Baghel, R.N., Bisen, D.P., Chandra, B.P. (2015). Characterization and luminescence properties of CaMgSi₂O₆:Eu²⁺ blue phosphor. *Luminescence* [F] [JIF: 2.367]
9. Chandra, B.P., Chandrakar, R.K., Chandra, V.K., Baghel, R.N. (2015). Effect of particle size on activation energy and peak temperature of the thermoluminescence glow curve of undoped ZnS nanoparticles. *Luminescence* [F] [JIF: 2.367]
10. Chandrakar, P., Baghel, R.N., Bisen, D.P., Chandra, B.P. (2015). Persistent luminescence of CaMgSi₂O₆:Eu²⁺, Dy³⁺ and CaMgSi₂O₆:Eu²⁺, Ce³⁺ phosphors prepared using the solid-state reaction method. *Luminescence* [F] [JIF: 2.367]
11. Chandra, B.P., Chandra, V.K., Jha, P., (...), Thaker, S., Baghel, R.N. (2012). Fracto-

- mechanoluminescence and mechanics of fracture of solids. *Journal of Luminescence* 14 [F] [JIF: 2.367]
12. Chandra, V.K., Chandra, B.P., Tiwari, M., Baghel, R.N., Ramrakhiani, M. (2012). Modeling of transient electroluminescence overshoot in bilayer organic light-emitting diodes using rate equations. *Journal of Luminescence* 1[F] [JIF: 2.367]
 13. Chandra, B.P., Goutam, R.K., Chandra, V.K., (...), Luka, A.K., Baghel, R.N. (2010). Mechanoluminescence induced by elastic and plastic deformation of coloured alkali halide crystals at fixed strain rates. *Radiation Effects and Defects in Solids* 7[F] [JIF: 0.513]
 14. Chandra, B.P., Baghel, R.N., Chandra, V.K. (2010). Mechanoluminescence glow curve of ZnS:Mn. *Chalcogenide Letters* 15

N Brahme

1. V. Sahu, N. Brahme, D. P. Bisen, R. Sharma 2010. Effect of temperature on Lyoluminescence of divalent impurity doped potassium chloride: **Optoelectronics and Advanced Materials-Rapid Communications** (National Institute of Optoelectronics, Romania) Vol.4, No.3, pp305-308. [F] [JIF: 0.402]
2. Ravi Sharma, S. J. Dhoble, D. P. Bisen, Nameeta Brahme & B. P. Chandra 2011. Chemical route synthesis dependent particle size of Mn activated ZnS nanophosphors: **Int. J. Nanoparticles** (Inderscience Enterprises Ltd.) Vol.4 No.1, 2011 [F] ISSN: 1753-2507
3. R. Sharma, D. P. Bisen, N. Brahme, B .P. Chandra 2011.Mechanoluminescence glow curve of ZnS: Mn nanocrystals prepared by chemical route. **Digest journal of Nanomaterials and Biostructures** 6, No 2, 483 490. [F] [JIF: 1.750]
4. Nameeta Brahme, Manju Shukla, D. P. Bisen, U. Kurrey, Anil Choubey, R. S. Kher, Manish Singh 2011. Mechanoluminescence by impulsive deformation of gamma irradiated Er doped CaF₂ Crystals: **Journal of Luminescence** 131(2011) 965-969. [F] [JIF: 2.75]
5. Manju Shukla, Nameeta Brahme 2011. Improved efficiency of MEH-PPV: PCBM solar cells by the use of ZnS nano- Particles: **Polym. Bull.**, [F] [JIF: 1.215]
6. Anil Kumar Choubey, Nameeta Brahme, D. P. Bisen and Ravi Sharma 2011. **Mechanoluminescence & Thermoluminescence of SrAl₂O₄: Eu Nano-Phosphors, The Open Nanoscience Journal**, 5, 41-44 [F] ISSN: 1874-1401
7. Ravi Sharma, D.P. Bisen, S.J. Dhoble, N. Brahme, B.P. Chandra 2011.Mechanoluminescence and thermoluminescence of Mn doped ZnS nanocrystals,**Journal of Luminescence** 131, Issue 10 (2011) 2089–2092 May 2011 ISSN 0022-2313 [F] [JIF: 2.75]
8. Anil Kumar Choubey, Nameeta Brahme, D. P. Bisen 2011. Mechanoluminescence By Impulsive Deformation And Photoluminescence of SrAl₂O₄: Eu Phosphor Prepared By Combustion Synthesis: **25 Aug 2011,Physics Procedia**, 29 (2012) 104-108] ISSN: 1875-3892 [F]
9. Nameeta Brahme, Anuradha Gupta, Durga prasad Bisen R. S. Kher, S. J. Dhoble 2011. Thermoluminescence and mechanoluminescence of Eu doped Y₂O₃ nanophosphors **25 Aug 2011 Physics Procedia** 29 (2012) pp 97-103 ISSN: 1875-38 [F]
10. S. Sailaja, S. J. Dhoble, Nameeta Brahme, B. Sudhakar Reddy 2011. Synthesis, photoluminescence and mechanoluminescence properties of Eu³⁺ ions Activated Ca₂Gd₂W₃O₁₄ phosphors: **Journal of Materials Science** vol 46 issue 24(2011) 7793-7798 [Springer Publication] Dec 2011 ISSN 0022-2461[F] [JIF: 1.855]
11. K.N. Shinde, S.J. Dhoble, Nameeta Brahme, Animesh kumar 2011. Combustion synthesis of Sr₆AlP₅O₂₀:Dy³⁺ submicron phosphor for high dose TL dosimetry **Radiation Measurements** 46 (2011) 1886-1889 Dec 2011 ISSN 1350-4487[F] [JIF: 1.121]
12. Manju Shukla, Nameeta Brahme, R.S. Kher & M.S.K.Khokhar 2011. Elementary approach to calculate quantum efficiency of polymer light emitting diodes: **Indian Journal of Pure & applied Physics** Vol.49, pp.142-145 [F] [JIF: 0.246]
13. Ravi Sharma, D. P. Bisen, N. Brahme, S. J. Dhoble and B. P. Chandra 2011. Optical absorption spectra and photoluminescence of ZnS nanoparticles doped with Mn. **Search and Research, Vol-III No. (1) pp 41-44.** [F] ISSN 0975-5721
14. Manju shukla, Nameeta Brahme 2011,Analytical measurements for quantum efficiency of Organic Light Emitting Diodes **Journal of International Academy of Physical**

- Sciences** Vol.15, June 2011 Pp.231-238 ISSN 0974-9373 [1]
15. S. Sailaja, S. J. Dhoble, **Nameeta Brahme**, B. Sudhakar Reddy 2012. Synthesis, structural, photoluminescence and mechanoluminescence properties of Tb^{3+} : $Ca_2Gd_2W_3O_{14}$ novel green nanophosphors: **Journal of Materials Science**, 47, Number 5 (2012) 2359–2364[Springer Pub.] **March 2012** ISSN 0022-2461 [1] [JIF: 1.855]
 16. **Nameeta Brahme**, M. Shukla, A.K. Choubey, U. Kurrey, D. P. Bisen, and S.J. Dhoble Mechanoluminescence and thermoluminescence of BaFCl: Sm^{2+} and BaFBr: Sm^{2+} crystals 2012. **Radiation Effects & Defects in Solids, Taylor & Francis** Vol. 167, No. 5, May 2012, 326–332 ISSN 1042-0150 [1] [JIF: 0.66]
 17. **Nameeta Brahme**, Anuradha Gupta, D. P. Bisen and U. Kurrey 2012. Thermoluminescence Study of Y_2O_3 : Tb, **Recent Research in Science and Technology**, 4(8): pp130-132. [1] ISSN: 2076-5061
 18. Sanjay Kumar Sao, **Nameeta Brahme**, D. P. Bisen, Geetanjali Tiwari, Shalinta Tigga, Ishwar Prasad Sahu and Ugendra Kurrey 2012. Mechanoluminescence properties of $SrAl_2O_4$: Tb^{3+} phosphor, **Recent Research in Science and Technology** 2012,4(8):pp119-120. [1] ISSN: 2076-5061
 19. S. K. Sao, **N. Brahme**, D. P. Bisen, R. Sharma, G. Tiwari, S. Tigga, P. Chandrakar 2012. Thermoluminescence and Mechanoluminescence studies of $(Cd_{0.95}Zn_{0.05})S$: Ag doped phosphor. **Recent Research in Science and Technology** 2012, 4(8): pp117-118. [1] ISSN: 2076-5061
 20. Anil Kumar Choubey, **Nameeta Brahme**, D. P. Bisen and S. J. Dhoble 2012. Thermoluminescence of g-irradiated $SrAl_2O_4$: Dy, **Recent Research in Science and Technology** 2012, 4(8): pp49-51 [1] ISSN: 2076-5061
 21. Anil kumar Choubey, Nameeta Brahme and D.P. Bisen 2012. Synthesis of $SrAl_2O_4$: Eu phosphor by combustion method and its possible application for mechanoluminescence dosimetry, **Indian Journal of Pure & Applied Physics** Vol. 50, November 2012, pp. 851-854 ISSN: 0975-104 [1]
 22. Raunak Kumar Tamrakar, D. P. Bisen, **Nameeta Brahme** 2013. Characterization and luminescence properties of Gd_2O_3 phosphor, **Research on Chemical Intermediates** Vol 39, No. 2(2013) 013- 10809. 12 Feb 2013 ISSN 0922-6168 [1] [JIF: 1.22]
 23. Mohammad Ziyauddin, **Nameeta Brahme**, D. P. Bisen, R.S. Kher 2013. Studies on Thermoluminescence (TL) from $BaAl_2O_4$: Dy phosphor, **International Journal of Luminescence and Applications**, Vol 3, No. 1, Jan 2013, Article ID: 019, pages 76 - 78. ISSN 2277 – 6362 [1] [JIF: 3.8]
 24. M. Shukla, A. Tiwari, **N. Brahme**, R. S. Kher, S. J. Dhoble 2013. Enhancing effect of Hydrazine on Chemiluminescence of Luminol- H_2O_2 system.. **Journal of Applied Spectroscopy**, (Springer publication) Vol. 80, No.2, May 2013. ISSN 0021-9037 [1] [JIF: 0.514]
 25. Namrata Bajpai, S.A. Khan, R.S. Kher, **Nameeta Brahme**, S.J. Dhoble, Ashish Tiwari 2013. Thermoluminescence investigation of sol-gel derived and γ -irradiated SnO_2 : Eu^{3+} nanoparticles. **Journal of Luminescence** 145 (2014) 940-943, September 2013 ISSN 0022-2313 [1] [JIF: 2.75]
 26. **Nameeta Brahme**, Anuradha Gupta 2013. Thermoluminescence and Photoluminescence of Eu^{3+} doped Y_2O_3 Nanophosphors. **International Journal of Luminescence and Its Application** Volume 3(II) 125-131, July, 2013, ISSN 2277 – 6362 [1] [JIF: 3.8]
 27. Anil Kumar Choubey, **Nameeta Brahme**, S.J. Dhoble, D.P. Bisen, K.B. Ghormare 2013 Thermoluminescence characterization of γ -ray irradiated Dy^{3+} activated $SrAl_4O_7$ nanophosphor, **Advanced Materials Letters** 5(7) 396-399, 10 November 2013, ISSN 0976-3961 [1] [JIF: 1.93]
 28. Namrata Bajpai, Ashish Tiwari, S.A.Khan, R.S.Kher, Namita Brahme, S.J. Dhoble 2013, Effects of rare earth ions (Tb, Ce, Eu, Dy) on the thermoluminescence characteristics of sol-gel derived and γ -irradiated SiO_2 nanoparticles. **Luminescence** 13 Nov 2013; 29(6) 669-673; ISSN 1522-7243 [1] [JIF: 1.68]
 29. Anuradha Gupta, **Nameeta Brahme**, Durga Prasad Bisen 2014, Electroluminescence and photoluminescence of rare earth (Eu, Tb) doped Y_2O_3 nanophosphor, **Journal of Luminescence, Elsevier Publication**, 155, 112-118, 26 June 2014 ISSN 0022-2313 [1] [JIF: 2.75]
 30. Ayush Khare, B. Nag Bhargavi, Namrata Chauhan, **Nameeta Brahme** Thermo and mechanoluminescence studies of BZT phosphor **Optik, Elsevier Publication** 125

- (2014) 4655–4658 April 24 2014, ISSN: 0030-4026 [F] [JIF: 0.77]
31. Manmeet Kaur, D.P.Bisen, **Nameeta Brahme**, Prabhjot Singh 2014 Morphological and structural Studies on Erbium (Er³⁺) and Ytterbium (Yb³⁺) doped Yttrium Oxide nanophosphors prepared by combustion synthesis method. Journal of Engineering Computers & Applied Sciences (JECAS) Vol 3, No.7, pp 25-28, July 2014. ISSN: 2319-5606 [F]
 32. Ishwar Prasad Sahu, D.P. Bisen, **Nameeta Brahme** 2014, Dysprosium doped strontium magnesium di-silicate white light emitting phosphor by solid state reaction method **Displays, Elsevier Publication** 35(2014) 279-286 ISSN: 0141-9382 [F] [JIF: 1.205]
 33. Raunak Kumar Tamrakar, Durga Prasad Bisen, **Nameeta Brahme** Comparison of photoluminescence properties of Gd₂O₃ phosphor synthesized by combustion and solid state reaction method, **Journal of Radiation Research and Applied Sciences**, 7(4), 550-559 **Elsevier Publication** ISSN: 1687-8507 [F]
 34. UV and gamma ray induced thermoluminescence properties of cubic Gd₂O₃: Er³⁺ phosphor, Raunak Kumar Tamrakar, Durga Prasad Bisen, Ishwar Prasad Sahu, **Nameeta Brahme** **Journal of Radiation Research and Applied Sciences** 7(2014) 417-429 ISSN: 1687-8507 [F]
 35. Lata Vanjare, Durga Prasad Bisen, **Nameeta Brahme**, Ishwar Prasad Sahu, Ravi Sharma 2014, Effect of capping agent concentration on Thermoluminescence and photoluminescence of copper doped Zinc sulphide nanoparticles: **Luminescence: The Journal of Biological and Chemical Luminescence**, Wiley 17 Sep 2014 Online ISSN: 1522-7243 [F] [JIF: 1.675]
 36. R.K. Tamrakar, D.P.Bisen and **N. Brahme** 2015, Influence of Er³⁺ concentration on the photoluminescence characteristics and excitation mechanism of Gd₂O₃: Er³⁺ phosphor synthesized via a solid-state reaction method. **Luminescence: The Journal of Biological and Chemical Luminescence**, Wiley 2015, 30:668-676 ISSN Online: 1522-7243 [F] [JIF: 1.675]
 37. Ishwar Prasad Sahu, D.P. Bisen, **Nameeta Brahme**, V.K. Patle, Raunak Tamrakar 2014 Characterization Techniques and Mechanoluminescence Properties of Sr₂SiO₄:Eu²⁺ Phosphor by Solid State Reaction Method. **Research Journal of Science and Technology**, 6(3): July-September, 2014, 147-150, A&V Publication ISSN: 0975-4393 [F] [JIF: 2.75]
 38. Raunak Kumar Tamrakar, Durga Prasad Bisen, Kanchan Upadhyay, **Nameeta Brahme** 2015 Down conversion luminescence property of Er³⁺ and Yb³⁺ co-doped Gd₂O₃ crystals Prepared by combustion synthesis and solid-state reaction method: **Superlattices and Microstructures** pp 34-48 ISSN 0974-9373 [F] [JIF: 1.979]
 39. Ishwar Prasad Sahu, D.P. Bisen, **Nameeta Brahme** 2014. Structural Characterization and optical properties of Ca₂MgSi₂O₇: Eu²⁺, Dy³⁺ phosphor by solid state reaction method **Luminescence: The Journal of Biological and Chemical Luminescence**, DOI 10.1002/bio.2771 Online ISSN: 1522-7243 [F] [JIF: 1.675]
 40. Raunak Kumar Tamrakar, D.P. Bisen, Kanchan Upadhyay, **Nameeta Brahme** Effect of Fuel on Structural and Optical Characterization of Gd₂O₃:Er³⁺ Phosphor, **Journal of Luminescence and Applications** (2014) Vol. 1 No. 1 pp. 23-29 [F]
 41. Raunak Kumar Tamrakar, D.P. Bisen, Ishwar Prasad Sahu, **Nameeta Brahme** 2014. Raman and XPS studies of Combustion Route Synthesized Monoclinic Phase Gadolinium Oxide phosphors, , **Advance Physics letter**, Vol. 1-Issue 1 (2014) ISSN 2349-1094 [F]
 42. Ishwar Prasad Sahu, D.P. Bisen, **Nameeta Brahme** 2015 Luminescence properties of green-emitting Ca₂MgSi₂O₇: Eu²⁺ phosphor by a solid-state reaction method **Luminescence: The Journal of Biological and Chemical Luminescence**, Wiley Online ISSN: 1522-7243 [F] [JIF: 1.675]
 43. Mohammad Ziyauddin, Shalinta Tigga, Nameeta Brahme and D. P. Bisen 2015 Photoluminescence and thermoluminescence studies of CaAl₂O₄: Dy³⁺ phosphor **Luminescence: The Journal of Biological and Chemical Luminescence**, Wiley Online ISSN: 1522-7243 [F] [JIF: 1.68]
 44. Raunak Kumar Tamrakar, Durga Prasad Bisen, **Nameeta Brahme** Luminescence 2015 Structural characterization of Er³⁺, Yb³⁺ doped Gd₂O₃ phosphor, synthesized using the solid-state reaction method, and its luminescence behaviour; DOI: 10.1002/bio.2913 [F] [JIF: 1.68]

45. Raunak Kumar Tamrakar, Durga Prasad Bisen, **Nameeta Brahme** Effect of Yb^{3+} Concentration on Photoluminescence Properties of Cubic Gd_2O_3 Phosphor, **Infrared Physics & Technology** 68 (2015) 92–97 [F] [JIF: 1.36]
46. Ishwar Prasad Sahu, D. P. Bisen, **Nameeta Brahme**, Lata Wanjari, Raunak Kumar Tamrakar Structural characterization and luminescence properties of bluish-green-emitting $\text{SrCaMgSi}_2\text{O}_7: \text{Eu}^{2+}, \text{Dy}^{3+}$ phosphor by solid-state reaction method: **Res Chem Intermed** (2015) 41:8797-8814 [F] [JIF: 1.221]
47. Ishwar Prasad Sahu, D.P. Bisen, **Nameeta Brahme and Manju Ganjir 2015** Enhancement of the photoluminescence and long afterglow properties of $\text{Sr}_2\text{CaMgSi}_2\text{O}_7: \text{Eu}^{2+}$ phosphor by Dy^{3+} co-doping **Luminescence: The Journal of Biological and Chemical Luminescence**, Wiley Online ISSN: 1522-7243 [F] [JIF: 1.68]
48. Geetanjali Tiwari, **Nameeta Brahme**, Ravi Sharma, D. P. Bisen, Sanjay Kumar Sao 2015. Photoluminescence and Thermoluminescence properties of rare earth doped $\text{CaAl}_2\text{Si}_2\text{O}_8$ phosphors. **International Research Journal of Engineering and Technology (IRJET)** Volume: 02 Issue: 02 | May-2015 e-ISSN: 2395 – 0056 [F] [JIF: 2.518]
49. Ishwar Prasad Sahu, D.P.Bisen, Nameeta Brahme, Raunak Kumar Tamrakar 2015. Luminescence Enhancement of Bluish – Green $\text{Sr}_2\text{Al}_2\text{Si}_2\text{O}_7: \text{Eu}^{2+}$ Phosphor by Dysprosium Co-doping. **Journal of Luminescence, Elsevier Publication**, 167, 278-288, 24 June 2015 ISSN 0022-2313 [F] [JIF: 2.75]
50. Raunak Kumar Tamrakar, D.P. Bisen, Nameeta Brahme, Ishwar Prasad Sahu, Kanchan Upadhyay 2015 .Structural and luminescence behavior of $\text{Gd}_2\text{O}_3: \text{Er}^{3+}$ phosphor synthesized by solid state reaction method **Optik, Elsevier Publication** (in press) 20 June 2015, ISSN: 0030-4026 [F] [JIF: 0.67]

DP Bisen

1. Sahu, V., **Brahme, N., Bisen, D. P., & Sharma, R.** (2010). Effect of temperature on photoluminescence of divalent impurity doped potassium chloride, *Journal of optoelectronics and advanced materials: rapid communication*, Vol.4, issue 3, pp.305-308, [F] [JIF : 0.449].
2. **Brahme, N., Shukla, Manju, Bisen, D. P., Kurrey, U., Choubey, Anil, Kher, R. S., & Singh, Manisha.** (2011). Mechanoluminescence by impulsive deformation γ -irradiated Er-doped CaF_2 crystals, *Journal of Luminescence*, 131, 965–969, [F] [JIF : 2.719].
3. Sharma, Ravi, Dhoble, S. J., **Bisen, D. P., Brahme, N., & Chandra, B. P.** (2011). Chemical route synthesis dependent partial size of Mn activated ZnS nanophosphors, *Int. J. Nanoparticles*, Vol.4, No.1, 64-76, [F].
4. Sharma, Ravi, **Bisen, D. P., Brahme, N., & Chandra, B. P.** (2011). Mechanoluminescence glow curve of ZnS:Mn nanocrystals prepared by chemical route, *Digest Journal of Nanomaterials and biostructures*, Vol.6, No. 2, pp 483-490, [F] [JIF : 0.945].
5. Sharma, Ravi, **Bisen, D. P., Brahme, N., Dhoble, S. J., & Chandra, B. P.** (2011). Mechanoluminescence and Thermoluminescence of Mn doped ZnS nanocrystals, *Journal of Luminescence*, 131, pp 2089-2092, [F] [JIF : 2.719].
6. Choubey, A. K., **Brahme, Nameeta, Bisen, D. P., & Sharma, Ravi.** (2011) Mechanoluminescence and Thermoluminescence of $\text{SrAl}_2\text{O}_4: \text{Eu}$ Nano-Phosphor, *The Open Nanoscience Journal*, 5, (Suppl 1-M3), 41-44, [F].
7. Vishwakarma, Piyush, Ramrakhiani, M., Singh, P., & **Bisen, D. P.** (2011). Synthesis and Electroluminescence Studies of Manganese Doped Cadmium Sulfide Nanoparticles, *The Open Nanoscience Journal*, 5, (Suppl 1-M2), 34-40, [F].
8. Sharma, Ravi, **Bisen, D. P., Brahme, N., Dhoble, S. J., & Chandra, B. P.** (2011). Optical absorption spectra and photoluminescence of ZnS nanoparticles doped with Mn, *Search & Research* Vol. 3 No.(1), 41-44, [F].
9. Sharma, Ravi, Sharma, B. G., & **Bisen, D. P.** (2011). Photoluminescence of ZnS and ZnS:Mn nanoparticles, *CSVTU Research Journal*, Vol. 4 No.(1), pp 25-27 [ISSN No. 0974-8725], [F].
10. Sharma, B.G., Agrawal, Sadhna, **Bisen, D. P., Sharma, Ravi, & Sharma, Malti.** (2011). Multiscale entropy analysis of the spectral indices of the Indian stock market, *CSVTU Research Journal*, Vol. 4 No.(1), pp 28-33 [ISSN No. 0974-8725], [F].
11. **Brahme, Nameeta, Gupta, Anuradha, Bisen, D. P., Kher, R. S., Dhoble, S. J.** (2012). Thermoluminescence and mechanoluminescence of Eu doped Y_2O_3 nanophosphors,

- Physics Procedia, pp 97 – 103, [1].
12. Choubey, A. K., **Bramhe, Nameeta, & Bisen, D. P.** (2012). Mechanoluminescence By Impulsive Deformation and Photoluminescence of SrAl₂O₄:Eu Phosphor Prepared by Combustion Synthesis, Physics Procedia 29, pp 104-108, [1].
 13. Brahme, Nameeta, Shukla, M., Choubey, A. K., Kurrey, U., **Bisen, D. P. & Dhoble, S. J.** (2012). Mechanoluminescence and thermoluminescence of BaFCl: Sm²⁺ and BaFBr: Sm²⁺ crystals: **Radiation Effects & Defects in Solids**, Vol. 167 No.5, 326-332, [1] [JIF: 0.51], [ISSN 1042-0150].
 14. Robinson, C. S., **Bisen, D. P., Brahme, Nameeta, & Tamrakar, Raunak.** (2012). Thermoluminescence Study of ZrO₂: Er³⁺, Yb³⁺, J. Pure Appl. & Ind. Phys. Vol. 2 (3A), 310-351, [1] [JIF : 2.07], [ISSN No. 2229-7596].
 15. Tamrakar, Raunak, **Bisen, D. P., Brahme, Nameeta & Robinson, C. S.** (2012). Thermoluminescence Study of Gd₂O₃:Er³⁺, Yb³⁺, J. Pure Appl. & Ind. Phys. Vol. 2 (3A), 348-314, [1] [JIF : 2.07], [ISSN No. 2229-7596].
 16. Sharma, Ravi, **Bisen, D. P., Wanjari, Lata, Ishwar, & Shukla, Usha.** (2012). Optical Properties of Bulk ZnS:Mn and ZnS:Mn Nanoparticles, J. Pure Appl. & Ind. Phys. Vol. 2 (3A), 360-364, [1] [JIF : 2.07], [ISSN No. 2229-7596].
 17. Sharma, Ravi, Sharma, B. G., **Bisen, D. P. & Sharma, Malti.** (2012). Study of Scaling Behavior of Nifty Using Detrended Fluctuations Analysis, J. Pure Appl. & Ind. Phys. Vol. 2 (3A), 398-402, [1] [JIF : 2.07], [ISSN No. 2229-7596].
 18. Tamrakar, R. K., & **Bisen, D. P.** (2013). Optical and kinetics study of CdS:Cu nanoparticles, **Res. Chem. Intermed** (Springer) Vol. 39, No. 7, 3043-3048, [1] [JIF: 1.221] [ISSN No. 0922-6168].
 19. Choubey, A. K., **Bramhe, Nameeta, Bisen, D. P. & Dhoble, S. J.** (2012). Thermoluminescence of γ -irradiated SrAl₂O₄:Dy, Recent Research in Science and Technology, 4(8): 49-51, [1], [ISSN No. 2076-5061].
 20. Wanjari, Lata, **Bisen, D. P., Brahme, Nameeta, Sharma, Ravi & Sahu, Ishwar, Prasad.** (2012). Thermoluminescence of Cu Doped ZnS Nanoparticles, Recent Research in Science and Technology, 4(8): 61-63, [1], [ISSN No. 2076-5061].
 21. Tamrakar, Raunak, **Bisen, D. P., & Brahme, Nameeta.** (2012). Combustion Synthesis and Up-conversion Luminescence Properties of Er³⁺, Yb³⁺ Doped Gadolinium Oxide Nanophosphors, Recent Research in Science and Technology, 4(8): 70-72 [1], [ISSN No. 2076-5061].
 22. Tamrakar, Raunak, **Bisen, D. P., Brahme, Nameeta, Robinson, C. S. & Sharma, B. G.** (2012). Effect of Firing Temperature on the Particle Size of Gd₂O₃:Eu Doped Nanophosphors, Recent Research in Science and Technology, 4(8): 73-74, [1], [ISSN No. 2076-5061].
 23. Sharma, Ravi, **Bisen, D. P. & Shukla, Usha.** (2012). X-Ray Diffraction: A Powerful method of Characterizing Nanomaterials, Recent Research in Science and Technology, 4(8): 77-79 [1], [ISSN No. 2076-5061].
 24. Bhuie, Manmeet, Kaur, **Bisen, D. P. & Brahme, Nameeta.** (2012). Studies of Thermoluminescence Parameters of Erbium Doped Y₂O₃ Nanophosphors, Recent Research in Science and Technology, 4(8): 80-81, [1], [ISSN No. 2076-5061].
 25. Pateriya, Deepti, Baghel, R. N., **Bisen, D. P., & Chandra, B. P.** (2012). Determination of the Trap Depth of (ZnS)_{1-x}(MnTe)_x using Thermoluminescence, Recent Research in Science and Technology, 4(8): 87-88, [1], [ISSN No. 2076-5061].
 26. Brahme, Nameeta, **Bisen, D. P., & Kher, R. S.** (2012). Optical Properties of Calcium Aluminate Phosphors, Mohmmad Ziyauddin, Recent Research in Science and Technology, 4(8): 97-98, [1], [ISSN No. 2076-5061].
 27. Sao, S. K., Brahme, Nameeta, **Bisen, D. P., Tiwari, Geetanjali, Tigga, Shalinta, Sahu, Ishwar, Prasad, & Kurrey, Ugendra.** (2012). Mechanoluminescence Properties of SrAl₂O₄:Tb³⁺ Phosphors, Recent Research in Science and Technology, 4(8): 106-107, [1], [ISSN No. 2076-5061].
 28. Sao, Sanjay, Kumar, Brahme, Nameeta, **Bisen, D. P., Tiwari, Geetanjali, Tigga, Shalinta, Chandakar, Priya. & Tamrakar, Raunak.** (2012). Thermoluminescence and Mechanoluminescence Studies of (Cd_{0.95}Zn_{0.05})S:Ag Doped Phosphors, Recent Research in Science and Technology, 4(8): 123-124, [1], [ISSN No. 2076-5061].
 29. Brahme, Nameeta, Gupta, Anuradha, **Bisen, D. P. & Kurrey, Ugendra.** (2012). Thermoluminescence Study of Y₂O₃: Tb, Recent Research in Science and Technology,

- 4(8): 136-138, [1], [ISSN No. 2076-5061].
30. Tamrakar, Raunak, Kumar, **Bisen, D. P.** & Brahme, Nameeta. (2013). Characterization and luminescence properties of Gd₂O₃ phosphor: Res. Chem. Intermed (Springer), Vol 39, No. 2, [F] [JIF: 1.221], [ISSN 0922-6168].
 31. Ziyauddin, Mohammad, Brahme, Nameeta **Bisen, D. P.** & Kher, R. S. (2013). Studies on Thermoluminescence (TL) from BaAl₂O₄: Dy phosphor, International Journal of Luminescence and Applications, Vol 3, No. 1, Article ID: 019, pages 76 – 78, [1], [ISSN 2277 – 6362].
 32. Choubey, Anil, Kumar, Brahme, Nameeta, Dhoble, S. J., **Bisen, D. P.** & Ghormare, K. B. (10 November 2013). Thermoluminescence characterization of γ -ray irradiated Dy³⁺ activated SrAl₄O₇ nanophosphor, **Advanced Materials Letters** 5(7) 396-399, Scopus publication **SCI Journal**, [F] [FLJ: 1.93], [ISSN 0976-3961].
 33. Gupta, Anuradha, Brahme, Nameeta, & **Bisen, Durga, Prasad.** (26 June 2014). Electroluminescence and photoluminescence of rare earth (Eu, Tb) doped Y₂O₃ nanophosphor, **Journal of Luminescence, Elsevier Publication**, 155, 112-118, **SCI Journal** [F] [JIF : 2.719], [ISSN 0022-2313].
 34. Sahu, Ishwar, Prasad, **Bisen, D. P.** & Brahme, Nameeta. Structural Characterization and optical properties of Ca₂MgSi₂O₇:Eu²⁺, Dy³⁺ phosphor by solid state reaction method, **Luminescence: The Journal of Biological and Chemical Luminescence, Wiley, SCI Journal** [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
 35. Sahu, Ishwar, Prasad, **Bisen, D. P.** & Brahme, Nameeta. (2014). Dysprosium doped di-strontium magnesium di-silicate white light emitting phosphor by solid state reaction method **Displays, Elsevier Publication** 35, 279-286 **SCI Journal** [F] [JIF: 1.033], [ISSN: 0141-9382].
 36. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta. & Sharma, Ravi. (2014). Luminescence Properties of Eu²⁺ and Dy³⁺ Doped Sr₂MgSi₂O₇ and Ca₂MgSi₂O₇ Phosphors by Solid State Reaction Method, Res Chem Intermed, DOI 10.1007/s11164-014-1767-6. **SCI Journal** [F] [JIF: 1.22], [ISSN 0922-6168].
 37. Tamrakar, Raunak, Kumar, **Bisen, Durga, Prasad,** & Brahme, Nameeta. (2014). Comparison of photoluminescence properties of Gd₂O₃ phosphor synthesized by combustion and solid state reaction method, **Journal of Radiation Research and Applied Sciences, Elsevier Publication** [1] [ISSN: 1687-8507].
 38. Tamrakar, Raunak, Kumar, **Bisen, Durga, Prasad,** Sahu, Ishwar, Prasad, & Brahme, Nameeta. (2014). UV and gamma ray induced thermoluminescence properties of cubic Gd₂O₃:Er³⁺ phosphor, **Journal of Radiation Research and Applied Sciences**, [1] [ISSN: 1687-8507].
 39. Kaur, Manmeet, **Bisen, D. P.**, Brahme, N. & Singh, Prabhjot. (2014). Thermoluminescence property of Y₂O₃:Yb³⁺ doped nanophosphors; CSVTU journal of Advanced Material Engineering 7, 65-70, [1] [ISSN -0974-8725].
 40. Kaur, Manmeet, **Bisen, D. P.**, Brahme, N. & Singh, Prabhjot. (2014). Morphological and structural studies of erbium (Er³⁺) and ytterbium doped (Yb³⁺) yttrium oxide nanophosphor prepared by combustion synthesis method, Journals of engineering computers and applied science, vol. 3, No 7, 25-28, [1] [ISSN – 2319-5606].
 41. Tamrakar, Raunak, Kumar, **Bisen, Durga, Prasad,** & Brahme, Nameeta. (2014). Effect of Yb³⁺ Concentration on Photoluminescence Properties of Cubic Gd₂O₃ Phosphor, **Infrared Physics & Technology**, DOI: 10.1016/j.infrared.2014.10.020, [F] [JIF: 1.36].
 42. Wanjari, Lata, **Bisen, D. P.**, Brahme, Nameeta, Sahu, Ishwar, Prasad, & Sharma, Ravi. (2014). Effect of capping agent concentration on thermoluminescence and photoluminescence of copper-doped zinc sulfide nanoparticles, **Luminescence: The Journal of Biological and Chemical Luminescence, Wiley SCI Journal**, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
 43. Sahu, Ishwar Prasad, **Bisen, D. P.**, Brahme, Nameeta, Patle, V. K. & Tamrakar, Raunak. (2014). Characterization Techniques and Mechanoluminescence Properties of Sr₂SiO₄:Eu²⁺ Phosphor by Solid State Reaction Method, Research Journal of Science and Technology, 6(3), 147-150, [F] [JIF: 3.785], [ISSN 0975-4393], [(Print) 2349-2988 (Online)].
 44. Sharma, Ravi, & **Bisen, D. P.** (2014). Thermoluminescence of mercaptoethanol-capped ZnS:Mn nanoparticles, DOI: 10.1002/bio.2710 **Luminescence: The Journal of Biological and Chemical Luminescence, Wiley SCI Journal**, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].

45. Tamrakar, Raunak Kumar, **Bisen, D. P.**, Upadhyay, K. & Tiwari, S. (2014). Synthesis and thermoluminescence behavior of $\text{ZrO}_2:\text{Eu}^{3+}$ with variable concentration of Eu^{3+} doped phosphor, *Journal of Radiation Research and Applied Sciences*, 7(4), 486-490, [F], [ISSN: 1687-8507].
46. Tamrakar, Raunak Kumar, Upadhyay, K. & **Bisen, D. P.** (2014). Gamma ray induced thermoluminescence studies of yttrium (III) oxide nanopowders doped with gadolinium, *Journal of Radiation Research and Applied Sciences*, 7(4), 526-531, [F], [ISSN: 1687-8507].
47. Tamrakar, Raunak Kumar, **Bisen, D. P.** & Bramhe, N. (2015). Influence of Er^{3+} concentration on the photoluminescence characteristics and excitation mechanism of $\text{Gd}_2\text{O}_3:\text{Er}^{3+}$ phosphor synthesized via a solid-state reaction method, *Luminescence: The Journal of Biological and Chemical Luminescence*, DOI 10.1002/bio.2803. Wiley SCI Journal [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
48. Tamrakar, Raunak, Kumar, **Bisen, D. P.** & Upadhyay, K. (2015). Effect of annealing on down-conversion properties of monoclinic $\text{Gd}_2\text{O}_3:\text{Er}^{3+}$ nanophosphors, *Luminescence: The Journal of Biological and Chemical Luminescence*, 2015 DOI 10.1002/bio.2824, Wiley SCI Journal, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
49. Sahu, Ishwar, Prasad, **Bisen, D. P.** & Brahme, Nameeta. (2015). Luminescent Properties of Green Emitting $\text{Ca}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+}$ Phosphor by Solid State Reaction Method, *Luminescence: The Journal of Biological and Chemical Luminescence*, DOI 10.1002/bio.2869, Wiley Publication, SCI Journal, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
50. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta, Wanjari, Lata. & Tamrakar, Raunak, Kumar. (2015). Structural Characterization and Luminescence Properties of Bluish-Green Emitting $\text{SrCaMgSi}_2\text{O}_7:\text{Eu}^{2+}$, Dy^{3+} Phosphor by Solid State Reaction Method, *Research on Chemical Intermediate*, DOI:10.1007/s11164-015-1929-1, Springer Publication, SCI Journal, [F] [JIF: 1.22], [ISSN: 0922-6168].
51. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta, & Ganjir, Manju. (2015). Enhancement on the Photoluminescence and Long Afterglow Properties of $\text{Sr}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+}$ Phosphor by Dy^{3+} Co-doping, *Luminescence: The Journal of Biological and Chemical Luminescence*, AID BIO2900, Wiley Publication, SCI Journal, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
52. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta, & Tamerakar, Raunak, Kumar. (2015). Photoluminescence properties of europium doped di-strontium magnesium di-silicate phosphor by solid state reaction method, *Journal of Radiation Research and Applied Sciences*, 104-109. Elsevier Publication, [F], [ISSN: 1687-8507].
53. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta, & Tamerakar, Raunak, Kumar. (2015). Europium Doped Di-calcium Magnesium Di-silicate Orange-Red Emitting Phosphor by Solid State Reaction Method, *Journal of Radiation Research and Applied Sciences*, DOI 10.1016/j.jrras.2015.02.007 Elsevier Publication, [F] [ISSN: 1687-8507].
54. Sahu, Ishwar, Prasad, **Bisen, D. P.**, Brahme, Nameeta, Wanjari, Lata, Tamerakar, Raunak, Kumar. (2015). Luminescence Properties of $\text{Sr}_2\text{MgSi}_2\text{O}_7:\text{Eu}^{2+}$, Ce^{3+} Phosphor by Solid State Reaction Method, *Physics Procedia*, Elsevier Publication, [F] [ISSN: 1675-3892].
55. Sahu, Ishwar, Prasad, **Bisen, D. P.** & Brahme, Nameeta. (2015). Structural Characterization and Optical Properties of Dysprosium Doped Strontium Calcium Magnesium Di-silicate White Light Emitting Phosphor by Solid State Reaction Method, *Displays*, <http://dx.doi.org/10.1016/j.displa.2015.03.002>, Elsevier Publication, SCI Journal, [F] [JIF: 1.033], [ISSN: 0141-9382].
56. Ziyauddin, Mohammad, Tigga, Shalinta, Brahme, Nameeta. & **Bisen, D. P.** (2015). Photoluminescence and thermoluminescence studies of $\text{CaAl}_2\text{O}_4:\text{Dy}^{3+}$ phosphor Luminescence: The Journal of Biological and Chemical Luminescence, DOI 10.1002/bio.2926 Wiley Publication, SCI Journal, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].
57. Chandrakar, P., Baghel, R. N., **Bisen, D. P.** & Chandra B. P. (2015) Characterization and luminescence properties of $\text{CaMgSi}_2\text{O}_6:\text{Eu}^{2+}$ blue phosphor, *Luminescence: The Journal of Biological and Chemical Luminescence*, DOI 10.1002/bio.2855 Wiley Publication, SCI Journal, [F] [JIF: 1.51], [Print ISSN: 1522-7235], [Online: 1522-7243].

AS Gour

1. Tiwari S. , Gour A. S., Jogia V. K., Chandrab B. P. .A new theory of the photoplastic effect in coloured alkali halide crystals J. of Optoelectronics and Advanced Materials Vol. 12, No. 9, September (2010), p. 1840 – 1851 [F] [JIF:0.58]
2. Gour Anubha Singh and Sidar Chhaya.Studies on Mechanoluminescence of Irradiated NaBr and KBr Crystals. J. Of search and Research V ol III No 1 pp 83-86 April (2011) ISSN No. [I]
3. Gour Anubha Singh and Chandra B. P. Effect of Thermoluminescence of Y - Irradiated KCl, NaCl, NaBr and KBr Crystals Int. J. of Bio-Nano Frontiers VoI No. pp Dec.(2011) ISSN No.0971-0678 [I]
4. Gour Anubha Singh and Chandra B. P.. Effect of Sr Doping on They mechanoluminescence of y irradiated NaCl AND KCl Crystals Int. J. of Basic and Applied Research VoI No. pp 9 to 11 . (2012) ISSN No.2249-3352 [I]
5. Sonwane V.D. Gaur A.S., Haldar B. K., Pandey S. and B.P. .Ultrasonic pulse induced mechanoluminescence of europium doped strontiumaluminate micro-crystals. Recent Research in Science and Technology (2012), 4(8): 106-108 ISSN No.2076-5061 [I]
6. Sonwane V.D., Gour A.S.and Chandra B.P., Infrared Nd:YAG Laser-Induced Visible Mechanoluminescence From Tungsten, International Journal of Luminescence and its Applications, 4(2014)56-59, ISSN 2277-6362. [I]
7. Sonwane V.D., Gour A.S. and Chandra B.P., Theoretical Study of the Pyroelectric Luminescence of Crystals, International Journal of Luminescence and its Applications, 4(2014)59-61, ISSN 2277-6362. [I]
8. Sonwane V.D., Gour A.S. and Chandra B.P., Infrared Nd:YAG Laser-Induced Visible Mechanoluminescence From Fine Grained Metals, Journal of Ravishankar University Part-B(Science), 27(2014)102-107, ISSN 0970-5910. [I]
9. Sonwane V.D., Gour A.S. and Chandra B.P., Ultrasonic Wave-Induced Elastico Mechanoluminescence of CaZnOS:Mn²⁺/ Epoxy Resin Composite, Int. J. of Science and Research (IJSR), (2015) pp 519-520 ISSN 2319-7064.[I] [JIF:4.438]
10. Sonwane V. D., Gour A. S., Jha P. and Chandra B. P., Effect of Ultrasonic Wave-Induced Oscillatory Mechanical Stress on Plastico Mechanoluminescence of Colored Alkali Halide Crystals, Int. J. of Luminescence and its Applications.), (2015) In Press [I]
11. Sonwane V. D., Gour A. S., Jha P. and Chandra B. P., Infrared Laser-Induced Visible Fracto Mechanoluminescence from Organic Crystals, Int. J. of Luminescence and its Applications (2015) In Press [I]

NK Chakradhari

1. Supernova SN 2012dn: A Spectroscopic clone of SN 2006gz, Chakradhari N. K., Sahu D. K., Srivastav S., Anupama G. C., 2014, MNRAS, 443, 1663.
2. Study of dust and ionized gas in early type galaxies, Kulkarni Samridhi, Sahu D. K., Chaware L. K., Chakradhari N. K., Pandey S. K., 2014, New Astronomy, 30, 51.
3. One year of monitoring of the Type IIb supernova SN 2011dh, Sahu D. K., Anupama G. C., Chakradhari N. K., 2013, MNRAS, 433, 2.
4. A spectroscopic analysis of the chemically peculiar star HD 207561, Joshi S., Semenko E., Martinez P., Sachkov M., Joshi Y. C., Seetha S., Chakradhari N. K., Mary D. L., Girish V., Ashoka B. N., 2012, MNRAS, 424, 2002.
5. Time-resolved photometric and spectroscopic analysis of the luminous Ap star HD103498, Joshi S., Ryabchikova T., Kochukhov O., Sachkov M., Tiwari S. K., Chakradhari N. K., Piskunov N., 2010, MNRAS, 401, 1299.

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

Nil

26. Faculty serving in

- a) National committees - Yes
- b) International committees - No
- c) Editorial Boards - Yes
- d) any other (please specify)

RC Agrawal

- Member of Scientific Committee (Indian/Asian Solid State Ionic)
- Member of BoS
- Member of Academic Council

RN Baghel

- Chairmen of Board of Studies
- Member of Academic Council

N Brahme

- Member of Editorial Board of Research and Reviews: Journal of Pure and Applied Physics
- Member of BoS
- Member of Sexual Harassment Prohibition Committee
- Chairmen BoS, Sunderlal Sharma Open University

DP Bisen

- Member of BoS

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Attended

AS Gour

- Workshop on Teacher Employment under NMEICT.... on 12-22 Dec 2011 at Pt. Ravishankar Shukla University, Raipur.
- National Workshop on Operation and Maintenance of Laboratory Equipments at SoS in Electronics & Photonics, Pt. Ravishankar Shukla University, Raipur during 19-23 Jan 2015.

28. Student projects: (The list of year-wise project/dissertation reports submitted by the students of M. Sc./M/Phil in the last five years i.e. 2010-2015 is not available in the office.)

- percentage of students who have done in-house projects including inter-departmental projects- All the students of Semester-IV / M. Phil carry out one semester mandatory project/ dissertation work in the areas of Solid State physics and Astronomy & Astrophysics, as a part of their curriculum.
- Percentage of students doing projects in collaboration with other universities/industry/institute- 5-6 students of semester-IV carry out the project work in the area of Astronomy & Astrophysics at ARIES, Nainital.

Session	M.sc		M.Phil. (In house %)
	In house%	Collaboration%	
2010-11	81	19	100
2011-12	82	18	100
2012-13	85	15	100
2013-14	81	19	-
2014-15	80	20	-

29. Awards / recognitions received at the national and international level by

- Faculty**
 - R.C. Agrawal** – : Life member of Indian Science Congress Association President, Material Science Section, ISCA 2007.
 - Invited Talk:- International Conferences 07 and National Conferences 03
 - R.N. Baghel** – : Executive Member Luminescence Society of India.

Chairpersons :- International Conferences 02 and National Conferences 04
 Invited Talk:- International Conferences 01 and National Conferences 05
N. Brahme – : Life Member Luminescence Society of India.
 Chairpersons :- International Conferences 02 and National Conferences 03
 Invited Talk:- International Conferences 01 and National Conferences 09
D.P. Bisen – : Executive Member Luminescence Society of India.
 Chairpersons :- International Conferences 01 and National Conferences 03
 Invited Talk:- International Conferences 01 and National Conferences 07

Doctoral / post doctoral fellows/ Young Scientist : –

Year 2010

1. Samridhi Kulkarni – 3rd Prize Poster 16th National Space Science Symp.

Year 2011

1. Samridhi Kulkarni- Best Poster ASI
 2. Arun Kumar Singh- CCOST Young Scientist
 3. Y.K.Mahipal- Young Student Award (Int. Conf. Solid State Ionics, Warsaw Poland)

Year 2012

1. Arun Kumar Diwakar- CCOST Young Scientist

Year 2013

1. N.K.Chakradhari- CCOST Young Scientist

Year 2014

1. Raunak Tamrakar-CCOST Young Scientist
 2. Anuradha Gupta – Best Paper Award NCLA 2014
 3. Ishwar Prasad Sahu - Best Paper Award NCLA 2014

Travel Support to attend International Conference:-

01. Anuradha Gupta- ICL 2014 Wroclaw, Poland
 02. Sanjay Sao- ICL 2014 Wroclaw, Poland

Fellowship:-

1. Sanjay Sao- CSIR Junior Research Fellowship
 2. Shalinta Tigga- Rajiv Gandhi National Fellowship (RJNF)

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Organized	Outstanding participants	Source of Funding
Conference	International Meeting on Astronomical Society Of India(ASI-2011)		IIA, Bangalore; IUCAA, Pune ; ARIES, Nainital; PRL, Ahmadabad; ISC, Bangalore; HRI, Allahabad And Pt RSU, Raipur
	National Conference on luminescence and Its Applications (NCLA-2011)	B.N. Jagtap, BARC, Mumbai, V. Shankar, NPL, New Delhi, G. Muralidharan, Tamilnadu K.V.R.Murty, MS Univ. Baroda, S.J. Dhoble, RTM Univ., Nagpur, M.P. Chougankar, BARC, Mumbai D. Harnath, CSIR, New Delhi S.K. Sekatskii, EPEL, Lausanne, Switzerland N. Veeraiah, AN University, Nuzvid, AP, M. Ramrakhani, RD Univ.	CGCOST, Raipur; Pt. RSU, Raipur ; DRDO, Delhi; BRNS, Mumbai

		Jabalpur, A.S. Pradhan, Ex-BARC, Mumbai, P.D. Sahare, DU Delhi, B.P. Chandra, Disha Inst. of Manag. Tech. Raipur.	
Workshop	International Workshop on Advanced Material Science and Astrophysics (IWAMA-2012)	Ajit Kembhavi, Director, IUCAA, Pune, B.P. Chandra, ATIM, Rajnandgaon, C.G, Hambarde, Director General, CG COST, Raipur, K.V.R. Murthy, MS University, Baroda, O.P. Thakur, SSPL, DRDO, New Delhi, R.K. Pandey, Baraktullah University, Bhopal, Ravindra Pandey, Michigan Tech. Univ. Houghton, MI, USA, Robert Hemiroff, Michigan Tech. Univ., Houghton, USA, Robert Orlando, Universita del piemonte orientale, Alessandria, Italy, Victor Luana, Universidad de Oviedo, Spain, Ajit Kulkarni, IIT, Bombay.	CGCOST, Raipur; Pt. RSU, Raipur; DRDO, Delhi

31. Code of ethics for research followed by the departments

The usual ethics are taken into accounts in the research and while submission of the research papers to national/international journals for publications.

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M. Sc. in Physics					
2010-11	69	18	14	45	78
2011-12	68	20	12	58	53
2012-13	94	13	19	89	61
2013-14	164	13	19	77	95
2014-15	187	11	21	32	64
2015-16	252	15	25		
M. Phil in Physics					
2010-11	11	03	08	0	62
2011-12	22	08	14	25	71
2012-13	05	02	03	25	20
2013-14	05	02	03	--	--
2014-15	11	None Qualified in Entrance Test			
2015-16	16	None Qualified in Entrance Test			

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State
M.Sc. in Physics	2010-11	59	02	08
	2011-12	61	03	06
	2012-13	86	06	02
	2013-14	142	11	11
	2014-15	100	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S.no	Name of Students	Exam Name	Year	Category
01	Abhishek Johri	NET/ JRF	2010	GEN
02	Tumesh Kumar Sahu	UGC NET- LS	2011	OBC
03	Umesh Kumar Sinha	UGC NET- LS/JEST/GATE	2012	OBC
04	Sanjay Sao	CSIR NET-JRF	2012	OBC
05	Shradha Sahu	JEST	2012	OBC
06	Tarachand Patel	JEST	2012	OBC
07	Tokeshwar Dewangan	GATE/JEST/SET	2012	OBC
08	Malay Samant	NET	2012	GEN
09	Sanjay Kumar Parganiha	UGC NET- LS	2013	OBC
10	Arun Kumar Diwakar	UGC NET- LS	2013	SC
11	Priyanka Keshwani	UGC NET- LS	2013	GEN
12	Ganesh Ram Banjare	UGC NET- LS	2013	SC
13	Satrunghan Rajput	NET/ SET/JEST	2013	GEN
14	Vaibhavi Markam	SET	2014	ST
15	Chitrakant Singh Belodiya	SET	2014	ST
16	Lekhram Sahu	SET	2014	OBC
17	Sandeep Soni	SET	2014	OBC
18	Laxmikant Chowre	SET	2014	OBC
19	Avinash Singh	NET/ SET/JEST	2014	GEN
20	Tarkeshwar Sinha	NET	2015	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil.	60%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	4%
Employed	~ 75%
□ Campus selection	
□ Other than campus recruitment	100%
Entrepreneurs	

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	42%
from other universities within the State	29%
from universities from other States	29%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Class room with internet facility
b) Total number of class rooms	03
c) Class rooms with ICT facility	Nil
d) Students' laboratories	04
e) Research laboratories	04

39. List of doctoral, post-doctoral students and Research Associates

Doctoral degree Awarded [2010-2015]				
S. No.	Name of Student	Guide	Year	Subject
01	Vidhya Sahu	N Brahme	2010	Luminescence
02	Y. K. Mahipal	RC Agrawal	2011	Solid State Ionics
03	Kusmanjali Deshmukh	S Bhushan	2012	Luminescence
04	Sameer Thakar	RN Baghel	2012	Luminescence
05	Puna Ram Sinha	SK Pandey (co-guide)	2012	Astronomy & Astrophysics
06	Dinesh Sahu	RC Agrawal	2013	Solid State Ionics
07	Laxmikant Chaware	SK Pandey	2014	Astronomy & Astrophysics
08	Alok Kumar Luka	RN Baghel	2014	Luminescence
09	Samridhi Kulkarni	SK Pandey	2014	Astronomy & Astrophysics
10	Rehana Ashrafi	RC Agrawal	2015	Solid State Ionics
11	Mayukh Pahari	SK Pandey (co-guide)	2015	Astronomy & Astrophysics
12	Ravi Joshi	H Chand	2015	Astronomy & Astrophysics
13	Anuradha Gupta	N Brahme	2015	Luminescence
14	Pradeep Kumar Kashyap	AK Srivastav	2015	Astronomy & Astrophysics
15	Devesh Path Sariya	RS Yadav	2015	Astronomy & Astrophysics
16	Ishwar Prasad Sahu	DP Bisen	2015	Luminescence

Currently working [Registered/Admitted] for Ph. D.

S. No.	Name of Student	Guide	Year of regist.	Subject
01	Sheetal Kumar	SK Pandey	2009	Astronomy & Astrophysics
02	Anil Kr. Choubey	N Brahme	2009	Luminescence
03	Deepti Pateria	RN Baghel	2009	Luminescence
04	Lata Wanjari	DP Bisen	2009	Luminescence
05	Manmeet Kaur Bhuie	DP Bisen	2009	Luminescence
06	Md. Ziyauddin	N Brahme	2009	Luminescence
07	Sumit kumar Jaishwal	A Omar	2012	Astronomy & Astrophysics
08	Jai Bhagwan	AC Gupta	2012	Astronomy & Astrophysics
09	Archana Soam	M Gopinathan	2012	Astronomy & Astrophysics
10	Rajiv Kumar	I Chattopadhyaya	2012	Astronomy & Astrophysics
11	Akhilesh Jadhav	AS Gour	2012	Luminescence
12	Gitanjali Sahu	AS Gour	2012	Luminescence
13	Geetanjali Tiwari	R Sharma	2012	Luminescence
14	Nand Kr. Chakradhari	SK Pandey	2012	Astronomy & Astrophysics
15	Priya Chandrakar	RN Baghel	2012	Luminescence
16	Shalinta Digga	N Brahme	2012	Luminescence
17	Sanjay Kr. Sao	N Brahme	2012	Luminescence
18	Sanjay parganiha	RN Baghel	2012	Luminescence
19	Raju Chandrakar	RN Baghel	2012	Luminescence
20	Raunak Kr. Tamrakar	DP Bisen	2012	Luminescence
21	Dipti Pandey	R Sharma	2012	Luminescence

22	Arun Kr. Dewangan	RN Baghel	2012	Luminescence
23	Amit Kumar Tamrakar	SK Pandey	2013	Astronomy & Astrophysics
24	Priyanka Kesharwani	RC Agrawal	2013	Solid State Ionics
25	Narsingh Sahu	R Sharma	2013	Luminescence
26	Rishi Jaishwal	RS Singh	2013	Luminescence
27	Ugendra Kr. Kurrey	N Brahme	2013	Luminescence
28	Vivek Dhalsingh Sonwane	AS Gour	2013	Luminescence
29	Rama Dhuri	AS Gour	2013	Luminescence
30	Tripti Bala Sahu	RC Agrawal	2013	Solid State Ionics
31	Mahendra Kr. Verma	SK Pandey	2013	Astronomy & Astrophysics
32	Kalyani Bagri	JS Yadav	2013	Astronomy & Astrophysics
33	Ganesh Ram Banjare	DP Bisen	2013	Luminescence
34	Shailraj	M Gupta	2013	Astronomy & Astrophysics
35	Abhishek Paswan	A Omar	2013	Astronomy & Astrophysics
36	Subhajeet Karmakar	JC Pandey	2013	Astronomy & Astrophysics
37	Neha Sharma	M Gopinathan	2013	Astronomy & Astrophysics
38	Krishna Kumar Shukla	DVP Kumar	2013	Astronomy & Astrophysics
39	Namrata Chouhan	N Brahme	2013	Luminescence
40	Govind singh Gautam	M Gupta	2013	Luminescence
41	Manju Sahu	RC Agrawal	2015	Solid State Ionics
42	Shrabani Karan	RC Agrawal	2015	Solid State Ionics

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	During the Staff Council meetings (1-2 meetings per month) the feedback on the course curriculum/teaching/learning evaluation is received from each faculty member and the necessary action is taken correspondingly. The curriculum is time to time modified/upgraded in the BoS meetings which include subject external experts. Periodic seminars by the students are held every semester using the modern audio visual aids. All the faculty members of the department have the excess to internet connectivity. The teachers submit the self-appraisal report annually.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	Student evaluation on staff on a prescribed format, supplied by IQAC, is regularly received each semester and analyzed in the staff council meeting. The appropriate action taken report is prepared and communicated to each faculty. Remedial/Tutorial Classes are taken every week for weaker students.
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name	Course	Batch	Current Position
1.	S.K. Pandey	M. Sc.	1973-75	V.C., Pt. Ravishankar Shukla University, Raipur(CG)
2	Anup Dutta	M.Sc.	1972-74	of Physics, Devi Ahilya Bai University, Indore(M.P.)
3	R.K.Pandey	M. Sc. Ph.D.	1972-74 1976-80	President, NIIT, Neemrana, Rajasthan
4	Ashoka	M. Sc.	1972-74	Dy. Director, Solar Observatory,

	Ambastha			Udaipur, Rajasthan.
5	Sunetra Girdhar	M. Sc.	1973-75	Senior Scientist, Indian Institute of Astrophysics & Astronomy, Bangalore
6	R.P.Gupta	M. Sc.	1972-74	Ex. Asstt. Commissioner tribal, Govt. of Chhattishgarh, C.G
7	Miss Rita Sandilya	M.Sc. M.Phil	1983-85 1985-86	IAS, Govt. of Chhattishgarh, C.G.
8	D.K.Sahu	Ph.D.	1999	IIA, Koramangla, Bangalore
9	Puna Ram Sinha	M. Sc. Ph. D.	2003-05 2013	Scientist, TIFR, Hyderabad
10	Gulab Dewangan	M.Sc.	1993-95	IUCAA, Pune

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S. No.	Name of the Program	Date	Resource persons
1	Special Lecture	24/08/2012	R. K. Manchanda, TIFR Mumbai S. K. Satheesh, IISc, Bangalore
2	Special Lecture	04/09/2012	V. C. Kuriakose, Cochin University, Kerala
3	Golden Jubilee Lectures	08/11/2013	S. L. Agrawal, APS University, Rewa, MP
		12/11/2013	Ajit R. Kulkarni, IIT, Powai, Mumbai
		18/11/2013	Sohan Jheeta, Astrobiologist, Open University, Milton Keynes, UK
		23/11/2013	Neeharika Thakur, Research Scientist, NASA, USA
		06/01/2014	Gulab Chand Dewangan, IUCAA, Pune
		09/01/2014	Miss Harshita Sahu, Design Engineer, R & D, Soni Corporation, Tokyo
		25/01/2014	Sudhanshu Barway, Virtual Observatory Scientist, South African Astronomical Observatory, Cap Town, South Africa
		06/02/2014	Sunetra Giridhar, IIA, Bangalore
		22/02/2014	T. P. Prabhu, An Eminent Astrophysicist and Dean, Indian Institute of Astrophysics, Bangalore
		11/04/2014	Mahendra K. Verma, Department of Physics, I.I.T. Kanpur
4	National Science Day-2014	08/03/2014	R.K. Pandey, NIIT University, Neemrana (Rajasthan) B. P. Chandra, Former V.C., Pt. R.S.S. University, Raipur S.K. Pandey, Vice Chancellor, Pt. R.S.S. University, Raipur

45. List the teaching methods adopted by the faculty for different program

The faculty use modern teaching approaches to enhance teaching. In addition to chalk and talk method of lecture, the faculty use the subsequent techniques:

- Interactive method: Seminars/ Class presentations and Group discussions
- Project based learning: A compulsory module for PG program. The project work under the faculty helps the student to review the outcome and impact of work chosen for project.
- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations (smart class rooms) by the faculty members.

Broad band internet facility is available which encourages the faculty to fit with computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow. Smart boards are installed at PG classroom for effective teaching.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in staff council meetings held regularly monthly basis.
 - By the results of Internal Test.
 - NET/ SET performance of the students.
 - Regular viva-voce in practical.
47. Highlight the participation of students and faculty in extension activities.
- Sky Gazing and awareness program for School students.
 - Popularization of Different Astronomical Events for General Publics.
 - Create awareness about Cleanliness.
 - Participation in national program organized/announced by national agencies
 - Participation in organising the professional body programs
 - Participation of faculty in various administrative committees (PSC/ SSC)
48. Give details of “beyond syllabus scholarly activities” of the department.
- Organisation of student seminars.
 - Faculty members are reviewer of various National/ International reputed journals.
 - Staff members participate in conferences seminar and act as resource persons.
 - Participation in organizing committee of cultural & co-curricular activities of University.
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- Nil
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- DST-FIST Program 2013 worth 97 lacs has been sanctioned by DST to initiate study and research in Physics of Nano materials.
 - Seminars on current topics
 - Research discussions among students with faculty inputs
 - Popular lectures by eminent faculties from National/International Institutes.
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- Strengths**
- Good research facilities in the areas of Material Science and Astronomy & Astrophysics with ample placement opportunities
 - DST-FIST grants and extramural support
 - Good inter-institutional collaborations and MoU's
- Weaknesses**
- Limited academic-Industrial linkage and consultancy services
 - Rejuvenation and strengthening of Alumni
- Opportunities**
- Ample scope for IPR and Patents
 - Commercial viability of research to be established
- Challenges**
- To attract talented students for research
 - Lack of skilled technical manpower
52. Future plans of the department.
- To establish as a Centre for Advanced Study and Research in Functional Materials and Astronomy & Astrophysics

Evaluative Report of the Department

1. Name of the Department: School of Studies in Psychology
2. Year of establishment: 1965
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A.	PG	Psychology	1965
2.	M.Phil.	Research	Psychology	1984
3.	Ph.D.	Research	Psychology	1968
4.	PG Diploma in Guidance and Counselling	Research	Psychology	1984

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil., P.G. Diploma in Guidance and counselling
 - Semester - M.A. with CBCS
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1	6
Associate Professor	1	1	-
Assistant Professor	4	4	-
Contract Teachers	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided in the last 5 Years	
					Ph.D.	M.Phil.
P Singh	Ph.D.	Professor	Organizational Managerial and Development Psychology	31	5(3)*	3
BG Singh	Ph.D.	Professor	Social and Organizational Psychology	27	5(3)	3
B Hasan	Ph.D.	Professor & Head	Career Development	25	5(4)	2

P Shrivastava	Ph.D.	Professor	Health Psychology	25	2(2)	3
M Jha	Ph.D.	Professor	Social Psychology	27	3(3)	3
P Shukla	Ph.D.	Professor	Organizational and Managerial Psychology	25	1(2)	3
* Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Nil

14. Program-wise Student Teacher Ratio

Session	P.G.	M.Phil.	P.G. Diploma in Guidance and Counselling
2010-2011	4.50:1	1.16:1	NIL
2011-2012	4.50:1	1.66:1	0.83:1
2012-2013	5.00:1	1.33:1	1.00:1
2013-2014	6.00:1	1.33:1	1.00:1
2014-2015	5.33:1	-	3.16:1
2015-2016	6:1	1:1	5:1
Ph.D. 6 research scholars (maximum) with each teacher			

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	4	3	4
Administrative Staff	3	3	3

16. Research thrust areas as recognized by major funding agencies

Counselling Psychology

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants

a) National collaboration

Faculty	Inter-institutional collaboration	Projects entitled	Amount
P Singh	State HIV/AIDS Control Society, Raipur	SAKSHAM- Conduct Training for HIV Counselors, Staff- Nurse / ANMs	82,46,830/-
		SAKSHAM- Client Satisfaction Scale	4,53,000/-
B Hasan	IHD, New Delhi	Evaluation of BRGF Fund	1,80,000/-
P Shrivastava	Chhattisgarh - Ministry of Women and Child Development, Raipur	Social, Economical and Psychological study of missing children's.	10,00,000/-

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S. No.	Funding Agency	Program	Period	Amount (INR in Lac)
Current; in the period of assessment: 2010-2015				
1	RSSA, Raipur	A study of the reasons of urban deprived children repeatedly becoming out-of-school even after their mainstreaming in the regular schooling system.	2013-14	2,50,000/-
		Community participation in implementation of RTE Act with special reference to special training for out-of-school/poor children	2014-15	2,50,000/-
2	RSSA, Raipur	Psycho-social factors of drop-out students in elementary and middle school.	2011-12	2,50,000/-
Total INR:				7,50,000

20. Research facility/ centre with:

Nil

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national/ international)	30	20	8.34 per faculty
o Monographs	-		
o Chapters in Books	04		
o Edited Books	1		
o Books with ISBN with details of publishers 1. Sports participation: Motivation, Family Socialization and gender. A study of Determinants of Sports Participation among adolescent, by Srivastava P., Tripathi A., Venugopal R. (Dec.2012) ISBN103847314602 LAP Lambert Academic Publishing	1		
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	50		
o Total citation [Google Scholar]	Google Scholar: 96		
o Impact Factor – range / average	0-1.69		0.49
o h-index [Google Scholar/ SCOPUS]	Faculty		Google Scholar
	P Singh		4
	BG Singh		2
	B Hasan		2
	P Shrivastava		2
	M Jha		5
	P Shukla		2

Publications of Faculty in indexed Journals

P Singh

1. Singh, P. (co-author) (2010) "Effectiveness of assertiveness Training Program on self-esteem and Academic Achievement in Adolescents". *International Research Journal*, Aug2010,Vol.1,Issue-11.[1]
2. Singh, P. (co-author) (2010). "Organizational Climate as a Function of Customer Orientation: A Study in Nationalized and Private bank of Chhattisgarh". *Journal of Psychological Research*, Vol-5,No.2.[1]
3. Singh, P. (co-author) (2010). "Self-esteem and Academic Achievement in High School Students". *Research Link*-81, Vol. -IX.[1]
4. Singh, P. (co-author) (2011). "Stress to Eustress: Role of Official Hierarchy" *Indian Journal of Psychology and Education*. Jan.,Vol.-1,pp.121-129.[1]
5. Singh, P. (co-author) (2011). "The Emotional Factors which inhibit or Enhance Assertiveness". *Indian Journal of Psychometry and Education*.42 (2),pp-115-119.[1]
6. Singh, P and Rohtagi, E (2011). "Enhancing Self-Esteem through Behaviour Intervention Program". *International Journal of Arts and Sciences*, Vol. 4, No.- 21, 2011.[1]
7. Singh, P. (co-author) (2012). "Quality of life in epilepsy before and after intervention". *Psychological foundation The Journal*.
8. Singh, P. (co-author) (2013). "Efficacy of cognitive Remediation in Epilepsy". *Journal of Psycho-social Research*: Vol.8, No:2 New Delhi.[1]
9. Singh, P. (Co-author) (2015). Role of Social Cognition and its Sociobehavioural correlates in the onset, severity and recurrence of symptoms in Schizophrenics, *Indian Journal of Health and wellbeing*, 6(7), 676-682. [1]

BG Singh

1. Thinking style and academic performance among tribal and non-tribal students. *Psychological Studies*, 56(2), 220-231. (With John, S.V. & Verma, O.P. 2011).[1]
2. Role of emotional intelligence & social support on wellbeing. *Mind & Society*, 1(1), 07-10, 2012.[1]
3. Uchchatarmadhyamik star kevidhyarthiyon me pareekshapratibalkaanubhav. *Mind & Society*, 1(2), 7-13., 2012. [1]
4. Samvegikbuddhika academic upalabdhi par prabhav: Vidhyarthiyonke ling tathavidhyalayaparakarkesandarbh me ekadhyayan. *Mind & Society*, 1(3), 39-44, 2012. [1]
5. Purva-sevanivrittikalkeshikshako me mansiksamasyayokaanubhav. *Mind & Society*, 1(2), 26-32, 2012. [1]
6. Purvasevanivrittikalkeshikshako me chintaevamsharirikshamata me kameekaanubhav. *Mind & Society*, 2(1), 33-36. 2013. [1]
7. Sex variation in obsession-compulsion in Gudakhu users. *Indian Journal of Health & Well-beings* (2013). [1]
8. Attitude of employees towards TV news reporters in relation to gender and job category. *Indian Journal of Health and Wellbeing*, 2014, 5(5), 642-644. (With Deepak Pandey).[1]
9. Predictor of underachievement: A review. *Mind and Society*, 2014, 3(I&II), 7-15.[1]
10. Use and perceived benefit of alternative treatments by patients with pain due to different health problems. *Mind and Society*, 2014, 3(I&II), 28-31. [1]
11. Mulyashikshanprakriya me shikshakokelinggatbhinnata par ekadhyayan. *Mind and Society*, 2014, 3(I&II), 72-77. (With Bharati Verma). [1]
12. (2014). Maternal home support, maternal home attachment and marital problems among distressed wives. *Indian Journal of Health and Wellbeing*, 5(9), 1075-1077. (with A Deshmukh)[1]

B Hasan

1. (2011) Marital Adjustment of the Female Partners of Dual Career Couples as a Function of Personality Dimensions and Menstrual Status, *Journal of Indian Health Psychology*, 5(2)59-68.[1]
2. (2011) marital adjustment and personality dimensions, *perspective in psychological researchers*, 34(1), 1-5.
3. (2014) Evaluation of cognitive behavioral intervention pertaining to insomnia, *JIARM*,

- 2 (6), 322-333.[1]
4. (2014) marital satisfaction among males as a function of personality dimensions, **Mind and Society**, 3(1, 2), 36-39. [1]
 5. (2014) Neuroticism as predictor of marital satisfaction. **Indian Journal of Health and Wellbeing**, 5(12), 1527.[1]
 6. (2014) Occupational stress as a function of career status of couples and Morningness-Eveningness preference, **Stress Management Professional**, 2(2), 44-50.[1]

P Shrivastava

1. Alcoholism and biological Rhythm. **Journal of community Psychology**, In March issue1, 2010. Vol.6, p.146-150[1]
2. A study of personality dimensions in sports performance. **Journal of Exercise Science and Physiotherapy**, 2010, vol, 6 no.1p.39-42 Issn.0973-2020[1]
3. Personal values antecedents of Work motivation A study of teachers, in Indo **Indian Journal of Social Science Researches**, 2010 march issue, vol.6 Issn. 0975-1343[1]
4. Personality predictors of diabetes type 2management;a study of male and female type 2 diabetes patients(2013), **Indian journal of health and well being**,4(5)1112-1114[1]
5. 16PF profile of Type-2 diabetes mellitus male and female patients(2013),**IOSR Journal of humanities and social science (IOSR-JHSS)**, volX, issueX(sep-oct),pp01-00e-ISSN;2279-0845.www.josrjournals.Org[1]
6. Effect of culture and gender on learned helplessness among adolescents,(2014),**Mind and society**,vol3 no 1 and 2march and june, page 23-27. Issn no.2277-6907[1]
7. Pandey, D., &Shrivastava, P. (2014). Relationship between self-perception and CD4+ count in person living with HIV/AIDS. **Indian Journal of Health & Wellbeing**, 5(11).[1]
8. Janghel, G., &Shrivastava, P. (2014). Psychosocial correlation of type-2 diabetes and its management: A review of literature. **Indian Journal of Health and Wellbeing**, 5(6), 748-753.[1]
9. Nand, H., Shrivastava, P., &Venugopal, R. (2014) RELATIONSHIP BETWEEN PHYSICAL FITNESS AND WELL BEING, **International Human Research Journal**, II (IV), 1-6[1]
10. R Dubey, P Srivastava, R Venugopal (2014) Comparative Assessment of Physiological Characteristics in Sports Women and Non Sports Women of different age group, **International Human Research Journal**, 2(4), [1]
11. Rawate, B.; Anant, S. K.; Srivastava, P.; Venugopal, R. (2014). A comparative study of extrinsic, intrinsic and amotivation between male inter-university players participating in different sports disciplines, **Golden Research Thoughts**, 4(4) 1-5.[1]
12. B Rawate, SK Anant, P Srivastava, R Venugopal (2014). A Study of Motivation Profile of Players of Chhattisgarh, **Academic Sports Scholar**, 3(10), 1-5.[1]

M Jha

1. Jha, M. and Jha, A. (2010). Sustainable Development as a function of Psycho-Philosophical Belief: A study of Apatains of Arunachal Pradesh. **ShodhPrakalp**. LXI, 2.[1]
2. Jha, M. and Jha, A. (2010). Psychographic Profiling of Maruti-800 Car Owners. **Prestige International Journal of Management and Research**, Vol. 1 & 2, No. 1 & 2, Issue 9.[1]
3. Jha, M. and Verma, O.P. (2010). **ShodhSamikshaAurMulyankan**, XVII, Vol.II.[1]
4. Jha, M. and Verma, O.P. (2010). Organizational Commitment: A Study Investigating the Role of HRM, Managerial Respect and Status. **Southern Economist**, 45, (19), 14-16. [1]
5. Biswas, T., Singh, D. and Jha, M.(2012). Effects of Yoga on Mental Health. **Mind & Society**, 1(1), 20 – 22.[1]
6. Sadhwani, I.; Jha, M. (2012). Ego-Strength: concept, Development and Promoting Tips. **Shodh-Prakalp**, 59, Vol. LIX, 25-28.[1]
7. Mishra, S., Pandey, D., K.A. Khan, Joby, P. A., &Jha, M. (2015). Predicting effect of social support on psychological wellbeing in elderly. **Indian Journal of Health and Wellbeing**, 5(10), 1188-1190.[1]
8. Sharma,G.Mitra,M.Jha, M. (2015), Classroom Environment as a predictor of Academic

Achievement, *Asian Man (The)-An International Journal*, 9(1), 47-51.[1]

P Shukla

1. Joby, P. A., & Shukia, P. (2014). Role of psychotherapeutic intervention among breast cancer survivors on quality of life. **Indian Journal of Health and Wellbeing**, 5(10), 1130.[1]
2. Joby, P. A., & Shukia, P. (2014). Psychotherapeutic intervention of female breast cancer patients efficacy. **Indian Journal of Health and Wellbeing**, 5(5), 579-583.[1]
3. Wats, A., & Shukia, P. (2013). A comparative study between alcohol abuser and non-abuser on personality dimension and family addiction. **Indian Journal of Health and Wellbeing** [1]

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

P Singh	HIV/AIDS, Handling Aircraft Hijak Situation
B G Singh	Research methodology
BHasan	Career Intervention, Occupational stress, Science culture and society Stress management
PShrivastva	Stress management, Research methodology, Adolescent Development
MJha	Stress management, Project evaluation
P Shukla	Stress management

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

P Singh- Oxford University.
Cambridge University.
Central Connecticut State University, Florida.
University of London.

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

P Singh

National committees

1. Expert Committee- UGC-NET;
2. UGC Expert Committee- Woman in Higher Education;
3. Expert Committee-CGSET;
4. Expert Committee- AIIMS, Raipur;
5. Expert Committee- PGIBAMS, Raipur

Editorial Board

1. Disability and Impairment, an Interdisciplinary Research Journal

BG Singh

National committees

1. Expert Committee- DRDO, New Delhi;
2. Expert Committee - SSC, Raipur;
3. Expert Committee- CGPSC, Raipur

Editorial Board

1. Chief Editor, Mind and Society;
2. Member of Editorial Board: Educational Research and Reviews

B Hasan

National committees

1. BOS- Sikkim University Selection committee-
2. Expert Committee - SSC, Raipur;
3. Expert Committee- State Planning commission

Editorial Board

1. Member of Editorial board, Journal of Ravishankar University, Part-A Social Science

P Shrivastva**National committees**

1. Expert Committee - RSSA, Raipur;
2. Expert Committee- SCERT, Raipur

Editorial Board

1. Member of Editorial Board: Mind & Society

M Jha**Editorial Board**

1. Member of Editorial Board: Mind & Society

P Shukla**National committees**

1. Observer Committee – UGC (CBSE) NET/JRF, Expert Committee Member, UGC-NET
2. Observer Committee – JEE, CTET

Any other: Faculty currently Serving in Committees in PRSU

Faculty	Position
P Singh	Member, Selection Committee
B Hasan	Director, Institute of Teachers Education VC Nominee, Selection Committee
P Shrivastav	Chairman, BoS, Bioscience/ Microbiology/ Biochemistry Associate Director, Center for Women Studies
M Jha	Member, Selection Committee
P Shukla	Member, Selection Committee
All Faculty	Member, BoS, Psychology

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by Faculty (Invited/Oral Presentation) Only ASC/ RC/ OP/ please delete the conference lectures

Faculty	Name of the Program	Date & Year
P Singh	Workshop on Saksham-IT Champion Training Program, ASC, Raipur	Dec 12-22, 2011
P Shrivastava	Workshop on Saksham-IT Champion Training Program, ASC, Raipur	Dec 12-22, 2011
M Jha	Workshop on Saksham-IT Champion Training Program, ASC, Raipur	Dec 12-22, 2011
P Shukla	Workshop on Saksham-IT Champion Training Program, ASC, Raipur	Dec 12-22, 2011

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

M.Phil. dissertation: 100% in house

PG Diploma in Counselling and Guidance (100%) in house

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Students

Faculty**P Singh**

1. Best Cognitive Psychologist by Anand-R.H. Tulpule Memorial Award, 2010 conferred by Indian Psychometric and Educational Research Association (2010)
2. Award For outstanding contribution in the field of HIV/AIDS by Government of Chhattisgarh (2012)

BG Singh

1. Appointed as Member, NijiVishwavidyalayaViniyamakAyog, Govt. of Chhattisgarh (2012)
2. Vice- Chancellor, Pt. SundarLal Sharma Open University, Bilaspur (2015)

Doctoral students

Award

National

2014

1. Khan Abraruzzaman Khan: 12th Chhattisgarh Young Scientist Award (Psychology & Home Science)

Fellowship

2010-2015

1. Dinesh Kumar Lahri: Rajiv Gandhi National Fellowship, 2010
2. Devi Tandiya: Rajiv Gandhi National Fellowship, 2012
3. JitaBehra: Rajiv Gandhi National Fellowship, 2014
4. Dinesh Kumar Lahri: Rajiv Gandhi National Fellowship, 2014

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	Examination Reforms 2011	UGC, New Delhi	Janak Pandey, (Vice chancellor , Patna University), L. N. Singh, (Mahatma Gandhi KashiVidyapith University, Varanasi), Brijesh Mishra (NTS-CIL, Mysore), Shamim Ahmad Anshari (AMU, Aligarh), B.K. Passi (Indore)
	Health Psychology: Indian Perspective, 2014	Pt. R.S.U, Raipur	NitinNagarkar, (Director, AIIMS, Raipur), A. P. Singh, (BHU), Navratan Sharma (MD, University, Rohtak), P. C. Mishra (Lucknow University, Lucknow), M. M. Hambarde (CG-COST, Raipur)
Conferences	Managing Interpersonal Communication in the Global World, 2010	Psycho-Lingua, Agra	NityanandPandy (Silchar), J. S. Garewal (Bhopal), Uma Shankar (New Delhi), Sunita Malhotra (Rhotak)
Workshops	Item Writing for Testing Educational Objectives, 2012	NTS-CIL, Mysore	A. K. Sen (Delhi University) Brijesh Mishra (NTS, Mysore) Rijwan (NTS, Mysore)

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Institutional Ethics Committee for Human Research
- Institutional Ethical Committee for Animal Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.A. Psychology					
2010-2011	22	5	12	100	100
2011-2012	15	4	8	100	100
2012-2013	23	5	17	100	100
2013-2014	28	10	6	100	93.33
2014-2015	21	7	9	68.75	90.90
2015-2016	22	5	12	100	100
PG Diploma in Guidance and counselling					
2012-2013	6	2	4	100	75.00
2013-2014	10	4	2	75.00	100
2014-2015	22	2			76.00
M.Phil.					
2010-2011	14	2	5	100	100
2011-2012	17	3	7	66.66	71.42
2012-2013	12	2	6	100	100
2013-2014	16	-	7	-	100
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.A. Psychology	2010-2011	83.30	16.70	0.00	0.00
	2011-2012	83.30	16.69	0.008	0.00
	2012-2013	72.72	22.72	4.54	0.00
	2013-2014	77.27	22.72	0.00	0.00
	2014-2015	81.25	18.75	0.00	0.00
PG Diploma in Counselling and Guidance	2010-2011	-	-	-	-
	2011-2012	-	-	-	-
	2012-2013	83.30	16.70	0.00	0.00
	2013-2014	90.00	10.00	0.00	0.00
	2014-2015	84.21	0.00	15.78	0.00
M. Phil. Psychology	2010-2011	75.00	25.00	0.00	0.00
	2011-2012	60.00	30.00	10.00	-
	2012-2013	57.14	14.28	28.57	-
	2013-2014	71.42	0.00	28.57	-
	2014-2015	-	-	-	-
PhD Psychology	2010-2011	-	-	-	-
	2011-2012	82.35	11.76	5.88	-
	2012-2013	71.42	7.14	21.42	-
	2013-2014	-	-	-	-
	2014-2015	100	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	AlkaKerketta	CGSET	2014	ST
2.	Dinesh Kosle	CGSET	2014	SC
3.	AnkitaDeshmukh	CGSET	2014	OBC
4.	Sanjay Bhardwaj	CGSET	2014	SC
5.	Dinesh Kosle	CBSE, NET	2015	SC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	50 %
PG to Ph.D.	65%
Ph.D. to Post-Doctoral	Nil
Employed	
□ Campus selection	Nil
□ Other than campus recruitment	3.78%
Entrepreneurs	20%

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	83.33 %
from other universities within the State	Nil
from universities from other States	16.67%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	3
c) Class rooms with ICT facility	1
d) Students' laboratories	1
e) Research laboratories	0

39. List of doctoral, post-doctoral students and Research Associates

Currently working [Registered/ Admitted] for PhD

S. No.	Name of Student	Guide	Year of registration
1.	AnkitaDeshmukh	B GSingh	2011
2.	HansitaOjha	B GSingh	2011
3.	SadhanalaRupendra Rao	B GSingh	2011
4.	G. Hemavati	B GSingh	2011
5.	KhelchandBhagat	B Hasan	2011
6.	G. Anuradha	M Jha	2011
7.	GaukaranJanghel	P Shrivastava	2011
8.	ShwetaBisen (Kaushik)	P Singh	2011
9.	Alka Agrawal	P Singh	2011
10.	DeeptiDhurandher	B GSingh	2012
11.	Swati Mishra	M Jha	2012
12.	PreetiPanshari	P Shukla	2012
13.	Swati Shrivastava	P Shrivastava	2012
14.	Deepak Pandey	P Shrivastava	2012
15.	DarshaneetaVora	P Singh	2012
16.	SupriyaMahant	B Hasan	2013
17.	Anchala Dixit	B Hasan	2013
18.	LalitaSahu	M Jha	2013
19.	Devi Tandiya	M Jha	2013
20.	Umeshwari Thakur	P Shukla	2013
21.	Joby P.A.	P Shukla	2013
22.	RoshanLalDewangan	P Singh	2013
23.	GurpreetKourChhabra	M Jha	2014
24.	JitaBehara	B Hasan	2014

Doctoral Degree Awarded 2010-2015

S. No.	Name of Student	Guide	Year
1.	Radha Rani Sahoo	B G Singh	2011
2.	Manisha Pandey	B G Singh	2011
3.	Sanjay Kumar Bhardwaj	B Hasan	2011
4.	Mona Makhija	P Singh	2011
5.	Abhilasha Tiwari	B Hasan	2011
6.	Bhagvatula Padma	B G Singh	2011
7.	Magnipudi Vani	B G Singh	2011
8.	Geetanjali Patro	P Shrivastava	2012
9.	Tripti Bala	M Jha	2012
10.	Indrajeet Singh Thakur	P Shrivastav	2012
11.	Ganesh Mathapurwar	P Singh	2012
12.	ElaRohtagi	P Singh	2012
13.	Mamta Jain	M Jha	2012
14.	Huma Kamal	B Hasan	2013
15.	Shaista Anshari	B Hasan	2013
16.	S. Anuradha	P Singh	2013
17.	Anuradha Wats	P Shukla	2014
18.	Reena Pawar	M Jha	2014
19.	Soma Nair	B G Singh	2014
20.	Khan Abraruzzaman Khan	B Hasan	2015
21.	Radha Rani Sahoo	B G Singh	2011
22.	Manisha Pandey	B G Singh	2011
23.	Sanjay Kumar Bhardwaj	B Hasan	2011
24.	Mona Makhija	P Singh	2011
25.	Abhilasha Tiwari	B Hasan	2011
26.	Bhagvatula Padma	B G Singh	2011
27.	Magnipudi Vani	B G Singh	2011
28.	Geetanjali Patro	P Shrivastava	2012
29.	Tripti Bala	M Jha	2012
30.	Indrajeet Singh Thakur	P Shrivastav	2012
31.	Ganesh Mathapurwar	P Singh	2012
32.	ElaRohtagi	P Singh	2012
33.	Mamta Jain	M Jha	2012
34.	Huma Kamal	B Hasan	2013
35.	Shaista Anshari	B Hasan	2013
36.	S. Anuradha	P Singh	2013
37.	Anuradha Wats	P Shukla	2014

a) from the host institution/university	Doctoral Students: 37
b) from other institutions/universities	Nil

40. Number of post graduate students getting financial assistance from the university.
Nil; however, ST, SC and OBC students get financial assistance from the State Government.
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.
No new programs introduced during the assessment period.
42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? No
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programs offered and how does the department utilize the feedback? <ul style="list-style-type: none"> • Through teacher parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1	O. P. Verma	Ph.D.	1971	Chairman, Niji Vishwavidyalaya Vini yama Ayog, Govt. of Chhattisgarh
2	B. G. Singh	Ph. D.	1986	Vice- Chancellor, Pt. Sundar Lal Sharma Open University
3	Mr. G. S. Mishra	M. A.	1988	Secretary, Jansampark Vibhag, Raipur
4	P. Singh	Ph.D.	1982	Professor
5	K. K. Chandrakar	PMIR	1985	Registrar, Pt. R. S. University, Raipur
6	P. Shrivastava	Ph. D.	1992	Professor
7	M. Jha	Ph. D.	1991	Professor
8	P. Shukla	Ph.D.	1990	Professor
9	O.P. Vyas	PMIR	1985	Professor
10	U. K. Agarwal	Ph.D.	1994	Assistant Professor

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Name of Faculty	Affiliation	Year of Visit
S. Mahmood Khan	Aligarh Muslim University	2012
Dawarka Parsad	PGI, Chandigarh	2013
Grishwar Mishra	Delhi University	2014

Special Invite

1. Nobel Laureate: Robert Huber
Nobel Prize Chemistry-1988
Max Planck Institute of Biochemistry Martinsried, Germany
Huber delivered a lecture on, "Structural Biology and its Translation into Practice and Business: My Experience"
2. Prof John G Watson, Research Professor, Desert Research Institute, Reno, NV, USA and Expert, USEPA.
3. Prof Judith C Chow, Research Professor, Desert Research Institute, Reno, USA and Expert, USEPA
4. Prof Barbara Zielinska, Research Professor, Desert Research Institute, Reno, USA
5. M. K. Mahanti, Department of Chemistry, North-Eastern Hill University, Shilong

6. S. G. Tandon, Ex-Head, School of Studies in Chemistry, Pt. R. S. U. Raipur
7. B. S. M. Rao, Indian Institute of Science and Education Research (IISER), Pune
8. Saurav Pal, Director, National Chemical Laboratory, Pune
9. Chittaranjan Sinha, Department of Chemistry, Jadhavpur University, Kolkata
10. P. S. Kalsi, Department of Chemistry, Punjab Agriculture University, Ludhiana
11. Lallan Mishra, Department of Chemistry, Banaras Hindu University, Varanasi
12. Tarashankar Pal, Indian Institute of Technology, Karagpur
13. Anjali Pal, Indian Institute of Technology, Karagpur
14. N. Sathyamurthi, Indian Institute of Science and Education Research (IISER), Mohali

45. List the teaching methods adopted by the faculty for different programs.

- Instruction paradigm
- Learning paradigm
- Lab work
- Field Work
- Rubrics
- ICT
- Others

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

Nil

48. Give details of “beyond syllabus scholarly activities” of the department.

- Members in Editorial Board
- Members in Advisory Committee Acting as adjudicator for evaluation of PhD thesis of other university
- Acting as Resource Person
- Referring of manuscripts

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Description	Beneficiary
Evaluation of cognitive behavioral intervention pertaining to insomnia.	College Students
Explored the causes of school dropouts.	Pre-Primary and Primary Students and Parents.
Explored the causes of missing children.	Missing child and Parents.
Immunity enhancement intervention	HIV and Diabetes Type-2 Patients
Publication of original research paper	Faculty, Scholars and Students
Reviews/ Chapter in books	
Dissertation (Ph.D. & M.Phil.)	
Project work for PG Diploma in Counselling and Guidance	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Reputed Neuro-Cognitive Lab, Career, Personal and Vocational Guidance and

Counseling Centre

- Good academic linkages with AIIMS Raipur, RSSA Raipur, NTS-CIL, Mysore and Ministry of Woman and Child Welfare, Raipur

Weaknesses

- Limited publications in SCOPUS/SCI/SSCI indexed journals
- Weak alumni consciousness

Opportunities

- To initiate RCI Approved courses
- To study the impact of IT on social behavioural patterns

Challenges

- Linking theory with clinical practices
- Enhancing communicative and interpersonal skills

52. **Future plans of the department.**

- Research work related on problems of exceptional, psychoneuro-immunology children will be done in tribal and remote areas.
- Research work on human psychological management during disasters

Evaluative Report of the Department

1. Name of the Department: School of Regional Studies and Research
2. Year of establishment: 1993
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A.	PG	Rural Development	2013
2.	PG Diploma	Diploma	Regional Planning and Development	2003
3.	Ph.D.	Research	Regional Studies	1993
4.	D.Litt.	Research	Regional Studies	1993
5.	Certificate Course	Certificate	1. Livelihood Planning and Supply Chain Management 2. Decentralized Planning	2011

5. Interdisciplinary programmes and departments involved

Program: Ph.D. – As an inter-disciplinary research centre it provides opportunity to the researchers to do Ph.D. in the field of Anthropology, Sociology, Psychology, Economics, Geography, History, Linguistics, Literature, Medical, Home Science, Social work, Education, Agriculture and Management related to topics of Regional development.

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

- Certificate Course in collaboration with Thakur Pyarelal Institute for Panchayati Raj and Rural Development Nimora Raipur (C.G.).
- M.A. -Faculty of TPIPR & RD are taking classes.

7. Details of programmes discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Semester - M.A. with Choice Based Credit System from the Academic Session 2015-16.
- Semester - PG Diploma from the Academic Session 2015-16.

9. Participation of the department in the courses offered by other departments

Certificate Course offered by the Thakur Pyarelal Institute for Panchayati Raj and Rural Development Nimora, Raipur (C.G.) only for Government employees.

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	-
Associate Professor	-	-	-
Assistant Professor	-	-	-
Contract Teacher	-	-	1
Guest Teacher	1	-	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
M Mitra	Ph.D.	Professor &	Bio-Cultural	31	1(3)*	-

		In-Charge Head	Anthropology			
S Kumar	Ph.D.	Contract Assistant Professor	Social Anthropology	3	-	-
PK Soni	UGC-NET	Guest Lecturer	Social Anthropology	2	-	-
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty and Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Session	PG Program	
	M.A. in Rural Development	Diploma in Regional Planning and Development
2010-2011	-	50
2011-2012	-	50
2012-2013	-	50
2013-2014	50	50
2014-2015	50	50
2015-2016	66.6	66.6

14. Programme-wise Student Teacher Ratio

Session	M.A. Rural Development		PG Diploma	
	Permanent Faculty	Temporary Faculty	Permanent Faculty	Temporary Faculty
2010-2011	-	-	1:1	1:1
2011-2012	-	-	4:1	4:1
2012-2013	-	-	3:1	3:1
2013-2014	11:1	11:1	4:1	4:1
2014-2015	5:1	5:1	-	-
2015-2016	6:1	6:2	7:1	7:2
Median	6:1	6:1	4:1	4:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	1	-	-
Administrative Staff	1	1	1

16. Research thrust areas as recognized by major funding agencies

Rural Sustainable Development, Rural and Tribal Education, Food Security and Livelihood Management, Rural Health Management, Rural Infrastructure Management.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
Project submitted				
M Mitra	Indian Institute of Public Administration, New Delhi	A Contrastive Sociological Study of Problems, Attitudes, Buying Behaviour and Prospects of Rural Consumer in Chhattisgarh	2014	1273650/-
	Indian Institute of Public Administration, New Delhi	Innovative Rural Consumer Empowerment Project in Bastar district of Chhattisgarh	2014	4626000/-

	Sir Dorabaji Tata Trust, Mumbai	Impact of Achanakmar Tiger project on livelihood restoration and quality of life of displaced Baiga families in resettlement colonies of Chhattisgarh: An Appraisal	2014	3536750/-
Abha Pal (History) M Mitra AK Pandey (Economics)	UGC	Centre for Gandhian Studies (Epoch Making Social Thinkers of India)	2015	9150000/-

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a) State recognition	-
b) National recognition	-
c) International recognition	<ul style="list-style-type: none"> Yes, Under MoU signed with Mekelle University, Ethiopia.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national / international)	10	30	-
o Monographs	-		
o Chapters in Books	01		
o Edited Books	03		
o Books with ISBN with details of publishers	04 M Mitra: 01 1. AYUSH in Public Health -Ground Situation and Prospects (Part III: Chhattisgarh) 2014 in Hindi Maharashtra Manav Vigyan Parishad, Pune. S Verma:02 1.Bal Apradh, Samaj aur Sanskriti (in Hindi), ISBN: 978-93-81326-39-8, Lekhni- Academic Excellence Publication, New Delhi. 2.Vyavharik Shodh Padhdti (in Hindi), Chhattisgarh Granth		

	Akadmi, Raipur, Chhattisgarh. (Accepted).	
<ul style="list-style-type: none"> o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) [documents, citations and h-index will be included from SCOPUS and Google Scholar; Google i10 index of the department] GOOGLE SCHOLAR – 42; h-Index (11); i10-Index (11); Since 2010 (9); Citations (410) 		
o Citation Index – range / average [Google Scholar]	1-3	1.66
o Total citation [Google Scholar/ SCOPUS]	Google Scholar: 05	
o SNIP		
o SJR		
o Impact Factor – range / average	3.15	-
o h-index [Google Scholar/ SCOPUS] faculty-wise (total period)	Faculty	Google Scholar
o	M. Mitra	11

Publications of Faculty

M Mitra

1. Shukla, M.K., Venugopal, R., Chakrabarty, S., Bharati, P. and **Mitra, M.** 2010. A Comparative study of physical growth and nutritional status between Non-residential and Residential Adolescent school boys of Chhattisgarh, India. *TheAsian Man: An International Journal*. 4:1:January-June:33-38. (ISSN: 0974-6366).
2. Chakrabarty, S. and **Mitra, M.**2010. Forest Conservation and Tribal Health Status: An emerging problem in India. *Rural and Remote Health*. (Letter to Editor). International Online Journal. April 12, 2010.p. 1-2. www.rrh.org.au
3. **Mitra, M.** 2010. Impact of Industrialisation on Ecology and Humen Health: A Case Study of Balco in Korba. In: *Industrialisation, Eco-friendly Industries and Climate Change*. Ed. R.N. Pati. Sarup Book Publishers Pvt. Ltd. New Delhi. Pp.25-33. (ISBN-978-81-7625-627-8).
4. Premi, J.K., Sarkar, S., Pradhan, A. and **Mitra, M.** 2010. Perception and Attitude regarding illness and health among the Sawara tribes of Chhattisgarh. *Man in India* (An International Journal of Anthropology). 90:3-4:601-611.
5. Dewangan, H., Chakrabarty, S. and **Mitra, M.** 2010.A Cross Sectional Study of Physical Growth among the Abujhmaria Children (6 – 18 years) living in *Ashram* School of Chhattisgarh, India. *The Asian Man: An International Journal*. 4:2:154-160. (ISSN:0974-6366).
6. Dewangan, H., Chakrabarty, S. and **Mitra, M.** 2011. A Cross Sectional Study of Physical Growth among the Abujhmaria Primitive Tribe Children (6 – 18 years) living in Narayanpur *Ashram* School of Chhattisgarh, India. *Ind. J. Phys. Anthro. & Hum. Genet.* 29:1-2:85-98.
7. Bhalkar, A. and **Mitra, M.** 2011. Decision-making ability related to Reproductive health issue among Ganda Scheduled Caste Women of Urban Slum Area of Raipur District, Chhattisgarh. *Ind. J. Phy. Anthro. & Hum. Genet.* 29: 1-2: 173-179.
8. Patel, S. K., Sinha, M., and **Mitra, M.** 2012. Epidemiological and Socio-demographic Profile of Oral Cancer Patients of Chhattisgarh: A Retrospective Study. *Research J. Science andTech.* 4(4): 145-147 (July-August) (ISSN 0975-4393).
9. Patel, S. K., Sinha, M. and **Mitra, M.** 2012. Glutathione-S-transferase M1 and T1 gene Polymorphism as Risk Factors of Oral Squamous Cell Carcinoma: A PreliminaryInvestigation. *Research J. Pharm. and Tech.* 5(7):918-920 (July) (ISSN 0974-3618).
10. Premi, Jitendra Kumarand **Mitra, M.**2012. Dwelling and Drinking Water among the Baiga Tribe of Chhattisgarh. *Research Journal of Humanities and Social Sciences*,

- 3(4): 436-440.
11. Patel, S. K. and **Mitra, M.** 2012. Inter-Gene and Gene - Environment Interactions Associated with CYP1A1 and GSTM1 Gene Polymorphisms and Risk of Oral Cancer in Chhattisgarh Population, India. *The Asian Man: An International Journal*. 6:2:135-141.
 12. Patel S. and Mitra M. 2012. Association of genetic polymorphism of CYP1A1 and GSTM1 genes and the risk of oral cancer in tobacco users of central India. *isymposia.com*, 3 Nov 2012.
 13. Basu, M., Maji, A.K., **Mitra, M.** and Sengupta, S., 2013. Natural selection and population genetic structure of domain-I of Plasmodium falciparum apical membrane antigen-1 in India. *Infection, Genetics and Evolution: Journal of Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases (MEEGID)*. *Impact factor 3.128*, ISSN: 1567-1348.
 14. Gupta, A., Gupta, O., **Mitra, M.** and Venugopal, R. 2013. Nutritional Status of University level women players of Chhattisgarh. *Asian Man: An International Journal*. 7:1&2:95-103.
 15. Premi, Jitendra Kumar and **Mitra, M.** 2013. Need Based Interventions for Improvement of Reproductive Health and Male Involvement of the Baiga tribe of Chhattisgarh (India). *International Journal of Advances in Social Sciences*, 01 (02): 51-57.
 16. Shukla, M., Venugopal, R. and **Mitra, M.** 2013. A cross sectional study of Nutritional Status of boys of Jawahar Navodaya Vidyalaya and Kendriya Vidyalaya in Chhattisgarh, India. *Indian Journal of Physical Education and Sports Sciences*. 1:1:45-55 (peer reviewed journal, ISSN:2320-81).
 17. **Mitra, M.** 2013. Water based Health Externalities in a Tribal area. **Proceedings** of National Workshop on Water and Policy for Sustainable Development. March 22-23, 2013.
 18. **Mitra, M.** 2013. Traditional Health Care System in Tribes of Chhattisgarh. Proceedings of National Seminar on **Regional Tribal Convention**. Proceedings of 150th Birth Anniversary Celebration of Swami Vivekananda. Organized by Ramkrishna Mission Ashram, Narainpur from March 29-31, 2013.
 19. Gajendra, P. and **Mitra, M.** 2014. Association Thromocyclopenum with severity of Plasmodium falciparum Malaria: A Study in Chhattisgarh. 2014. *Research Journal of Pharmacy and Technology*. 7:9. (September 2014. 9ISSN 0974-3618).
 20. Temunkar, P.K., Tiwary, B.N. and **Mitra, M.** 2014. A Study of Genomic Diversity of three tribal populations of Chhattisgarh, India. *The Asian Man: An International Journal*. 8:1:1-7 (Jan.-June, 2014).
 21. Premi, Jitendra Kumar and **Mitra, M.** 2014. Structure of family among the Baiga Tribe of Chhattisgarh, India. *Int. J. Ad. Social Sciences*. 2:3:156-159 (July-September, 2014) ISSN 2347-5153.
 22. Bais, S. and **Mitra, M.** 2014. Perceptions and Practices Related to Menstruation among Pando Adolescent girls and Women of Sarguja District (Chhattisgarh). *Global Journal of Multidisciplinary Studies*. 3: 9 August 2014:445-455. (ISSN: - 2348-0459). Available online at www.gjms.co.in.
 23. **Mitra, M.** 2013. Guest Editorial on Integrated Natural Resources Management: Issues, Challenges and Perspectives. Biodiversity Watch: *International Journal on Biodiversity Watch*. Issues. No.2, July-December, 2013. pp. xxiii-xxvi. (ISSN NO.- 2348-4497).
 24. **Mitra, M.** 2013. Forensic Science- An Important Tool for Criminal Investigations In Present Era. In: **Proceedings** of National Conference on Relevancy and Importance of Forensic Science Investigation and Conviction during present Era. Organized by State Forensic Lab, Raipur, Chhattisgarh. December 16-17, 2013.
 25. Thakre, T.R., Singh, A. and **Mitra, M.** 2015. Socio-Demographic Profile of Cervix Cancer Patients of Chhattisgarh. *Asian Man: An International Journal*. 9:1:35-39.
 26. Sinha, M., Temunkar, P. K., Gajendra, P. and **Mitra, M.** 2015. Human Dopamine Receptor D2 (DRD2) Polymorphisms among Four Tribal Populations of Chhattisgarh. *Asian Man: An International Journal*. 9:1:40-46.
 27. Sharma, G., **Mitra, M.** and Jha, M. 2015. Classroom environment as a predictor of Academic achievement. *Asian Man: An International Journal*. 9:1:47-51.
 28. Vishwakarma, P., Verma, O.P. and **Mitra, M.** 2015. Learning Styles in relation to Intelligence, Locale and Sex. *International Journal of Education and Management*

Studies. 5: 2: 148-151.

29. Mitra, M., Pradhan, A., Patel, S.K., Sinha, M. & Temulkar, P.K., 2015. Genetic Diversity in Five Primitive Tribes of Chhattisgarh at Eight Polymorphic Alu Insertion/Deletion Loci. *In: Advances in Criminal Investigation*. Eds. M.K. Verma & Pankaj Shrivastava. Shiv Shakti Book Traders, New Delhi. (ISBN 978-93-8380501-3). p.212-223.

S Verma

1. Premi, J., Verma, S. 2010. Manavshastriya Chetrakarya Avlokana: Kb Tak Rah Payenge Baiga Prakriti Putra (In Hindi). *Lab to Land*. 2:7: 423-425. ISSN:0975-282X.
2. Verma, S., Premi, J. 2010. Chhattisgarh ki Vishesh Pichhdi Aadim Janjati Kamar, Kyon Hai Vikas Adhura (In Hindi). *Lab to Land* 2:8, 579-582. ISSN:0975-282X.
3. Verma, S., 2011. Gramin Samaj per Vigyapan ka Prabhav: Ek Manavshastriya Drishtikon (In Hindi). *Research Journal of Social and Life Sciences*, 10:05:189-193. ISSN:0973-93914.
4. Verma, S. 2013. Nagpur Aapda Prabandhan: Punervashan aur Vikas ka Adhyan (In Hindi). *Shodh-Sanchayan*, 4:1:56-62. ISSN:0975-1254.
5. Verma, S., Mollick, F. 2013. Health Determinants of Baiga: A Particularly Vulnerable Tribal Group in Central India. *Asian Academic Research Journal of Social Sciences & Humanities Journal*, 1:9:46-55. ISSN 2278- 859X.
6. Verma, S., Mollick, F. 2013. Bal Apradh, Apradh ke Saman Sanvedalsil (In Hindi), *Pad Chinh*, 4:17-21. ISSN:2231-1351
7. Verma, S., Nishad, R., Nagwanshi, B. 2013. Yon Karminyon ki Samajik Sthiti (In Hindi). *Lab to Land*, 5:17:158-162. ISSN:0975-282X.
8. Verma, S., Mollick, F., Mukhrjee, B.M. 2013. Janjatiya Samaj aur Bal-Apradh. *In: Book Madhya Bharat ki Janjatiya*, Eds. Fahad Mollick & B.M. Mukhrjee. K.K. Publication, New Delhi. p.155-170.
9. Verma, S. 2013. Patalkot ke Bhariya Janjatiya ka Patalik Jeevan (In Hindi), *Research journal of Social and Life Sciences*, XV:1: 102-107. ISSN:0973-93914.
10. Verma, S., Nagwanshi, B. 2014. Bal-Apradh aur Punervash: Ek Manavshastriya Adhyan (In Hindi). *University Hindi Journal*, 1: II: 62-71. ISSN: 2347-9612.
11. Verma, S. 2014. Black Magic in Chhattisgarh. *International Research Journal of Humanities, Engineering and Pharmaceutical Science*, 02:08. 157-159. E-ISSN: 2320-2955 & P-ISSN: 2249-256.
12. Verma, S., Yadav, A. 2014. Hatha-Dena (In Hindi). *Antarrashtriya Sadhantik Samikcha*, 02:01:18-21. ISSN: 2347-9116.
13. Verma, S. 2014. Tijan Bai- Ek Sakchatkaar (In Hindi). *Samsamyik Srijan*, 01:3: 139-143. ISSN-2320-5733.
14. Verma, S. 2014. Audhikikaran Ka Gramin Jeevan Shaili per Prabhav (In Hindi). *Scholarly Research Journal for Interdisciplinary Studies*, II: XIV: 2058-2068. ISSN: 2278-8808.
15. Verma, S., Premi, J.K. 2014. Lokkathayon ka Sanskritik Mulya (In Hindi). *Shodh-Prakalp: A Quarterly Research Journal*, LXIX:4: 148-153. ISSN- 2278-3911.
16. Verma, S. 2015. Shikcha : Samaj ka Pratham Dayitva (In Hindi). *Proceeding of National Seminar on Skills to Excel in Higher Education*. September 20, 2015.

P Soni

1. Premi, J., Soni, P.K., Nagwanshi, B.K., & Khute, D.K. 2013. Vishesh Pichhadi (Aadim) Janjati Kamar: Ek Nrijativritantatmak paridrishya (In Hindi). *Research Journal of Humanities and Social Sciences*. 4:2:179-184 (April-June, 2013) ISSN 0975-6795.

23 Details of patents and income generated

None

24 Areas of consultancy and income generated

None (Curtsey Consultancy to The Media Foundation, New Delhi for When The Dish Knocked Down the Antenna- Impact of TV digitization on low income viewers and public broadcasting and Film: When The Dish Knocked Down the Antenna by- Nupur Basu, Nirmal Chander Dandriyal)

25 Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

None

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

M Mitra

National Committees

- Member of the **National Sub-Committee on “Bio-Medical Anthropology”**, Anthropological Survey of India, Ministry of Culture Government of India (No.2-1/PMI/2008 DT 12.2.2010).
- **Government nominated Member of Rashtriya Manav Sangrahalaya Samiti**, Government of India (Government Resolution No.F.29-03/2015-A&A dated 13.5.2015).
- **Government nominated Member of Executive Council** of Rashtriya Manav Sangrahalaya Samiti, Government of India (Government Resolution No.F.29-03/2015-A&A dated 13.5.2015).
- Nominated **Member of Academic Advisory Committee** of Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal (No.13-4/2015-C&C dated 05.08.2015).
- **Expert** for making Syllabus of Ph.D. Course Work in Anthropology for IGNOU (Expert Committee Meeting held on April 10, 2015 at Delhi).
- Expert Member, Board of Studies in Anthropology, Sambalpur University, Sambalpur (No.377 (10) Acd.-1 dated 20.01.2014)
- Expert Member, Board of Studies in Anthropology, Sambalpur University, Sambalpur (No.3320 (10) Acd.-1 dated 27.4.2015)
- Expert Member of Board of Studies, Anthropology Department, Indira Gandhi National Tribal University, Amarkantak. (Ref.No.F.02/IGNU/45/2010 dated 17.01.2010)
- External Member of the BOS, Deptt. of Anthropology Visva-Bharti. (Ref.No. Anth/f-02/2009-10/BOS-02, Dated 11/02/2010)
- Expert, Carrier Advancement Scheme (CAS), Mahatma Gandhi Antarrastriya Hindi Vishvidyalaya, Wardha (Maharashtra).
- Expert, National Organizing Committee, Herbal World, First Internal Conference on Conservation Marking and Patenting of Medicinal Plants (ICMP)
- Expert, Carrier Advancement Scheme (CAS), Harisingh Gour Vishwavidyalaya, Sagar.
- Member of the panel for paper setting for Paper II and III in the subject of Anthropology, Central Board of Secondary Education), (Ref. CBSE/ACAD/AP&JD/2014-09)

Editorial Boards

- Member of Editorial Board in THE ANTHROPOLOGIST, International Journal of Contemporary and Applied Studies of Man. ISSN 0972-0073.
- Member of Editorial Board in Scholarly Journal of Science Research and Essay, ISSN: 22315-6163
- Human Biology Review (ISSN 2277 - 4424)
- International Peer Reviewed Journal of Biological Anthropology
- Studies on Ethno-Medicine (ISSN 0973-5070) Kre Publisher, Delhi
- Biodiversity Watch (International Journal on Biodiversity Issues (ISSN NO: 2438-4407) Editor R.N. Pati, Publisher VRM Foundation International, Bhubaneswar.
- Guest Editor of Biodiversity Watch July-December 2013 No. 2 (International Journal on Biodiversity Issues (ISSN NO: 2438-4407) Editor R.N. Pati.
- Member of Editorial Board, the Asian Man: An International Journal. Published by Asian Institute of Human Science and Development, Lucknow.
- Regional Editor of the Asian Man: An International Journal. Volume 09, No.1 (Special Issue on Chhattisgarh). ISSN NO 09747-6366 Published by Asian Institute of

- Human Science and Development, Lucknow.
- Genetic Testing (ISSN 1090-6576)
- Current Science (ISSN 0011-3891)
- Mind and Society (ISSN 2277-6907, Published by Manav Navnirman Sansthan, Chhattisgarh)
- Member of Advisory Board of "Research Expression"- An Annual Peer Reviewed Multi-Disciplinary Journal.

Any other: Members in Professional Body

- Member of **State Level Advisory Board of Integrated Tribal Development Project**, Gariaband (Order No./62/Adi.Vi./Yojna/97 Raipur, dt.26.4.97).
- Member of **Task Force on Agriculture, Environment, Forest, Biodiversity and Allied Sectors of Chhattisgarh** State Planning Commission (No.429/RaYoAa/SanS/TaFo-Kri/2015, New Raipur dated 19.6.2015).
- **Member of Ethical Committee** of State Health Resource Centre (SHRC).
- **Lead Expert** for Rapid Assessment of "Fulwari Nutrition Initiative in Surguja District, Chhattisgarh" (In the background of the nomination of Surguja Collector for the PM award for excellence in public service for his vision and drive in initiating the "Surguja Suposhan Abhiyan: Fulwari initiative").
- Member of **Expert Committee** for Evaluation of Proposals for Minor Research Projects and organization of seminar/conference/workshop during 2014-15 at UGC, Central Regional Office, Bhopal on 11.11.2014.
- Member of Articles of Association, CHIPS, Raipur. (No./956/MU.KA.A./C HIPS/2009 Dated 07/10/2009)
- Member on Sports Committee, Pt. RSU, Raipur. (No./581/Physical Edu. Dept., Dated 12.07.2010)
- Academic Counselors for P.G. Diploma in Rural Development and Certificate Exam in Rural Development, Thakur Pyarelal Panchayat avm Gramin Vikas Sansthan, Nimora, Raipur (Chhattisgarh).
- Invited for Discussion on "BhartiyaParivesh me VirdhaAashramkiSarthkta" at All India Radio, Raipur (Chhattisgarh).
- Member of Convocation Committee, Pt. RSU, Raipur (Chhattisgarh). (Ref No./306/Gen.ADM./11/2015).
- Advisor Committee, Pt. Harishankar Shukla Smirti College, Raipur, (Ref. No./727/HSS/2014, dated 19/06/2014)
- Subject Expert for Interview, Central College of IT, Raipur (Chhattisgarh), (Ref./CCIT/SEC28/010/2013-14)
- Advisor, Indian National Trust for Art and Culture Heritage, Raipur (Chhattisgarh).

Any other: Faculty currently Serving in Committees in PRSU

Faculty	Position
M Mitra	<ul style="list-style-type: none"> • Member-Secretary, IEC • Coordinator, Center for Integrated Tribal Studies • Coordinator, DST-FIST • Member, IQAC • Member, Steering Committee, IQAC • Member, Faculty of Life Science • Member, University Grants Cell • Member, University Central Purchase Committee • Member, Academic Council • Member, Academic Planning and Evaluation Board • Member, Question Paper Reform Committee • Member, Board of Studies in Anthropology • Chairman, Board of Studies in Regional Planning and Development • Member, Sexual Harassment Cell • Member, Social Science Faculty • Member, College Development Council

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training

programs and similar programs).

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
M Mitra	UGC-Sponsored Workshop on “Science Citation Index, Social Science Index, Impact Factor, Citation Index and h-index of Research Publications” organized by UGC-Academic Staff College, Pt. Ravishankar Shukla University, Raipur	September 10, 2011
	National Workshop on Epidemiology and Research Methods, Pt. RSU, Raipur	June 19-July 1, 2012.
	Orientation Programme towards Developing Research Skill, Pt. RSU, Raipur	August 12-13, 2015
	Springer Author Workshop: Organized by IQAC and Pt. Sunderlal Sharma Library, Pt. RSU, Raipur	November 03, 2015
	Scopus Workshop. Organized by IQAC and Pt. Sunderlal Sharma Library, Pt. RSU, Raipur	November 03, 2015
S Verma	SPSS (Statistical Package for Social Science) M.G.A.H.V., Wardha, Maharashtra.	April 9, 2010.
	Intellectual Property Rights and Innovation Management in Knowledge Era, Pt. RSU, Raipur	December 30-31, 2013
	Diagnosis of Diseases and Molecular Evaluation (Workshop with Hands on Training), Pt. RSU, Raipur	November 11-13 2014
	Anthropology and Museums, Indira Gandhi Rastriya Manav Sangrahalaya, Bhopal (M.P.)	January7-9, 2015
	Orientation Programme towards Developing Research Skill, Pt. RSU, Raipur.	August 12 -13, 2015
	SYSTAT-13 (One Day Workshop cum Training)Pt. RSU, Raipur	August 27, 2015
	Workshop on "Feedback :Inventory ,Analysis and Action" organized by the Feedback Cell,IQAC, in the SoS in Life Science, Pt. RSU, Raiur	September 22, 2015
P Soni	Orientation Programme towards Developing Research Skill, Pt. RSU, Raipur	August 12 -13, 2015
	SYSTAT-13 (One Day Workshop cum Training)Pt. RSU, Raipur	August 27, 2015
	workshop on "Feedback :Inventory ,Analysis and Action" organized by the Feedback Cell,IQAC, in the SoS in Life Science, Pt. RSU, Raiur	September 22, 2015

Lectures delivered by faculty

M Mitra

1. Mitra, M. 2011. Delivered special lecture on Nutritional Problems and Solutions in Tribal Region of Chhattisgarh. In State Level Workshop on National Nutritional Week on 3.9.2011 organized by Ministry of Women and Child Development, Government of India.
2. Mitra, M. 2011. Participated in UGC-Sponsored Workshop on “Science Citation Index, Social Science Index, Impact Factor, Citation Index and h-index of Research Publications” organized by UGC-Academic Staff College, Pt. Ravishankar Shukla University, Raipur held on 10.9.2011.
3. Mitra, M. 2012. Delivered lecture as Resource Person on “Unity in Diversity with special reference to Peopling of India” in 3rd Orientation Course of Academic Staff College of Guru Ghasidas Vishwavidyala, Bilaspur on September 13, 2012.
4. Mitra, M. 2012. Special Lectures on “Genomic Diversity with reference to Indian Population”under UGC-SAP Programme of Department of Anthropology, Sri Venkateswara University College of Sciences, Tirupati. 2012.
5. Mitra, M. 2012. Special Lecture on “Traditional Health Care System in Tribes of

- Chhattisgarh". Regional Tribal Convention. 150th Birth Anniversary Celebration of Swami Vivekananda. Organized by Ramakrishna Mission Ashram, Narainpur from March 29-31, 2012.
6. Tribes of Chhattisgarh and their Social and Economic issues on 19.08.2014 to 27.09.2014, Chhattisgarh Academy, Nimora, Raipur.
 7. 2-Day National Consultation on "Health and Nutritional Status of Scheduled Tribe Population" at SCSTRTI, CRP Square, Bhubaneswar during 22nd-23rd February 2015. Delivered lecture on Tribes of Chhattisgarh with special reference to Health and Nutrition on 23.2.2015.
 8. Strategies development and deployment to achieve access, equity and excellence in higher system on "Preparation for NAAC with special emphasis to Innovation and Best Practices" 26.6.2015 RUSA at Government Nagarjuna P.G. College of Science (Autonomous), Raipur (CG).
 9. Mitra, M. 2015. Delivered special lecture on Methodology, Technique & Tools for Socio-economic and Educational Research on 19.01.2015 organized by State Resource Centre (Adult and Continuing Education) Government of India Deshbandhu Press Complex, Ramsagarpara, Raipur, Chhattisgarh.

S Verma

1. Invited Lecture on "Tribal Status in India" in Entry Into Services Coaching, UGC Coaching Center, Pt. Ravishankar Shukla Vishwavidyalaya, Raipur (Chhattisgarh), 6 February, 2015.
2. Verma, S. 2015. Delivered special lecture on Quantitative and Qualitative Data on 12.08.2015 in Orientation Programme towards Developing Research Skill organized by School of Regional Studies and Research, Pt. R.S.S.U., Raipur (C.G.).

P Soni

1. Soni, P. 2015. Delivered special lecture on Data Coding and in Computer Analysis on 12.08.2015 in Orientation Programme towards Developing Research Skill organized by School of Regional Studies and Research, Pt. R.S.S.U., Raipur (C.G.).

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

100 % In-house project: PG Diploma & MA III Sem.

100 % in collaboration with other universities/industry/ institute: MA IV Sem.

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Faculty

M Mitra- 04

1. Gold Medal for standing First in the Merit list of University in M.Sc. Anthropology (1977)
2. Awarded JRF and SRF of UGC (1978-1980)
 - Felicitated by "VidyaVaridhi" honor for special contribution in teaching on Teachers Day Award Function 2005 (5.9.2005)
 - Felicitated by KITT University & KISS, Bhubaneswar as Finest Researcher in Anthropology in 2012 (28.11.2012)

S Verma- 02

1. Gold Medal for standing First in the Merit list of University in M.Sc. Anthropology (2009)
2. Awarded JRF of UGC (2010-2014)

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international)

with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	Golden Jubilee International Seminar on "Integrated Natural Resources Management (INRM): Issues, Challenges and Perspectives"	UGC, ICSSR, CGCOST, University	Padma Bhusan K Radhakrishan, KK Chakravarty RN Pati BrijGopal DK Marothia DS Mishra Gautam K Bera Shaik Yousuf B Santosh Kumar Mohapatra Soumitra Kumar Mondal Henery Mohan Raj James Narendra Bondala
	National Seminar on Strategy for Regional Sustainable and Inclusive Growth	UGC, Ministry of Tribal Affairs & UGC	KK Chakravarty RK Mutatkar Dinesh Marothia Serjius Minz OP Verma Prabhat K Singh IC Agrawal
	National Seminar on Rabindranath Tagore and Rural Development	Ministry of Culture, UGC	K K Chakravarty KK Basa Ravindra Jain, RK Das
Workshops	National Workshop on Epidemiology and Research Method (Inter-disciplinary Workshop)	AYUSH	Padmashri AT Dabke RK Mutatkar JC Mishra Ram, JNM Medical College

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors quality of research activities of the department
- Institutional Ethics Committee for Human Research
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected(at entry level: 1 st semester)		Pass percentage(total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
M.A.					
2010-2011	-	-	-		
2011-2012	-	-	-		
2012-2013	-	-	-		
2013-2014	08	05	01	60	20
2014-2015	02	01	01	50	50
2015-2016	09	02	02	Ongoing	Ongoing
PG Diploma					
2010-2011	06	03	01	100	100
2011-2012	09	04	03	100	100
2012-2013	05	03	00	100	00
2013-2014	14	05	01	40	-
2014-2015	-	-	-		
2015-2016	09	05	02	Ongoing	Ongoing
Ph.D.					
2010-2011					

2011-2012	02	01	01		
2012-2013	03	00	02		
2013-2014	02	01	01		
2014-2015	03	00	02		
2015-2016	10	02	01		
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.A. Rural Development	2014-15	100	-	Nil	Nil
M.A. Rural Development	2013-14	50	50	Nil	Nil
PG Diploma	2013-14	-	-	Nil	Nil
PG Diploma	2012-13	100	-	Nil	Nil
PG Diploma	2011-12	100	-	Nil	Nil
PG Diploma	2010-11	100	-	Nil	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Vaishali Shukla	MP PSC	2014	General

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	Nil
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	100%
from other universities within the State	Nil
from universities from other States from	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	4
c) Class rooms with ICT facility	1
d) Students' laboratories	NA
e) Research laboratories	NA

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

i. Currently working [Registered/ Admitted] for PhD:
--

S. No.	Name of Student	Guide	Year of registration / Admission	Subject
1.	Sudhanshu Bhatt	MeetaJha	2011	Psychology
2.	PreetiVishwakarma	O.P.Verma	2011	Education
3.	ArchnaVerma	MeetaJha	2014	Education
4.	ManjushaRangariTirpude	S.K.Tripathi	2014	Literature

- i. Post-doctoral: None
 ii. Research Associates: None
b) from other institutions/universities
 iii. Currently working None
 [Registered/ Admitted] for PhD:
 iv. Post-doctoral: None
 v. Research Associates: None

Doctoral degree Awarded [2010-2015]				
S. No.	Name of Student	Guide	Year	Subject
1.	Grisham Singh	S.L. Shrivastava	2010	Sociology
2.	Mamta Sirmour	S.L. Shrivastava	2010	Sociology
3.	Saroj Sahu	O.P. Verma	2014	Education
4.	Laxmi Sonekar	O.P. Verma	2015	Education
5.	Gouri Sharma	Meeta Jha	2015	Education

40. Number of post graduate students getting financial assistance from the university.
 Nil; however, ST, SC and OBC students get financial assistance from the State Government.
41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.
 Introduced M.A. Program in Rural Development in 2013-14.
42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
No
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.
c) Alumni and employers on the programmes offered and how does the department utilize the feedback?
<ul style="list-style-type: none"> • Through teacher-parent meet • Through Alumni meet • Through inventories (Former Faculty) • Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Name	Subject	Year	Current Position Held
1.	N Bajpayee	Ph.D. (Management)	2003	Formerly Associate Professor in IIM in Raipur and currently Associate Professor in Atal Bihari Vajpayee Institute of Information Technology and Management Gwalior
2.	BL Sonekar	Ph.D. (Economics)	2003	Assistant Professor School of Studies in Economic, Pt. Ravishankar Shukla University, Raipur
3.	SV John	Ph.D. (Education)	2005	Assistant Professor, District Institution of Education and Training, Bastar

				Jagdapur (C.G.)
4.	R Sharma	Ph.D. (Psychology)	2008	Assistant Professor, Department of Psychology, Government D.B. Girls P.G. College, Raipur D-42, Tagore Nagar, Raipur
5.	T Biswas	Ph.D. (Psychology)	2009	Assistant Professor & Head, Department of Psychology, Rajiv Gandhi Government College, Ambikapur (C.G.) c/o Mr. A.K. Biswas, D.C. Road, Mahabir Nagar, Ambikapur (C.G.)

In Administration:

1.	VK Verma	P.G. Diploma	2003	Vice-President Hospitech Management Consultant Pvt Ltd Samarpan, MIG-34, Housing Board Colony, Tatibandh, Raipur (C.G.)
2.	M Chandak	Ph.D. (Sociology)	2003	Head, Costume and Dress Making, Government Girls Polytechnic College Byron- Bazar, Raipur (C.G.)
3.	N Sahu	Ph.D. (Sociology)	2004	Program Coordinator, Krishi Vigyan Kendra Collector Parisar, Dist. Bijapur (C.G.) E-Mail- kvkbpj@gmail.com
4.	S Thakur	PG Diploma	2006	Principal, Maharaja Agrasen International College, Samta Colony, Raipur (C.G.)
5.	G Das	Ph.D. (Sociology)	2007	Principal, Government College, Civil Line, Gariyaband (C.G.)

44. Give details of student enrichment programmes (special lectures/ workshops/ seminar) involving external experts.

Invited lectures 2010-2015:

Invited Speaker	Year
Special lecture delivered by R.K. Mutatkar, Former Head of Department of Anthropology and President, MAAS, Pune on "Tribal Development with special reference to Chhattisgarh"	August 30, 2011
Special lecture delivered by R.N. Pati Director, VRM Foundation, Bhubaneswar on "Regional Planning and Development : Challenges and Issues"	September 02, 2011
UGC Extension lecture delivered by Premananda Bharati, Head of Anthropology Unit, Indian Statistical Institute, Kolkata on "Tribal Situation in India"	September 13, 2011
UGC Extension lecture delivered by S. Bharati, Sociology Unit, Indian Statistical Institute, Kolkata on "Basics of Statistics"	September 13, 2011
Special Lecture delivered by R.K. Mutatkar, Former Head of Department of Anthropology and President, MAAS, Pune on "Ethnomedicine and its Future Prospects".	November 07, 2015

45. List the teaching methods adopted by the faculty for different programmes.

- Instruction paradigm: One to one contact
- Learning paradigm: Student centric learning
- Field Work: Compulsory part of the syllabus
- Rubrics:
- ICT: Power point presentation and Documentary of Regional Development
- Others: Entrepreneurship, Special lectures and interaction.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
Staff Council	Monthly meeting and interaction
DRC	Progress of research activity
Feedback	Feedback analyzed and discussed in Staff Council meeting
Attendance	Monitored every month in the semester
Internal Assessment	Continue evaluation by class test and Seminar Presentation

47. Highlight the participation of students and faculty in extension activities.

Cleanliness drive: As per the “Swachh Bharat Abhiyan” Mission of the Nation, (letter No. 2493/Gen. Adm. /Gandhi Jyanti 65/2015 dated 24 Sept.2015).Students, Teachers and Scholars have been Cleaning the Department and Campus in every Saturday for at least 2 hours.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Acting as adjudicator for evaluation of PhD thesis of other universities
- Acting as Resource Person in Academic Staff colleges and Seminars/Workshops of various Universities
- Referring of Manuscripts
- Member in Editorial Boards
- Member in Advisory Committee

49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Book Chapter

1. Mitra, M. 2015. BLOCK 1: Fundamentals of Human Evolution and Human Variation. Unit: Name of the Unit: Time Scale Evidence, Resource materials written for IGNOU.

Book

Mitra, M.

1. (Principal Research Coordinator) 2014 (August). AYUSH in Public Health: Ground Situation and Prospects (Field Studies in Himachal Pradesh, Madhya Pradesh, Chhattisgarh and Maharashtra). PartIII: Chhattisgarh (in Hindi). Published by Maharashtra Anthropological Science Association, Pune.

S Verma

1. Verma, S. 2014. Bal Apradh, Samaj aur Sanskriti (in Hindi), ISBN: 978-93-81326-39-8, Lekhni- Academic Excellence Publication, New Delhi.
2. Verma, S. 2015. Vyavharik Shodh Padhdti (in Hindi), Chhattisgarh Granth Akadmi, Raipur, Chhattisgarh. (Accepted).

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- The School promotes interdisciplinary research
- Curriculum includes field work in regional planning and development
- MoU with national & international organizations providing opportunity for student exchange program

Weaknesses

- Strengthening of faculty positions

- Linkage with industries for entrepreneurship development

Opportunities

- Entrepreneurship guidance in association with various sectors of rural development
- Ample opportunities for government, private sectors and NGO

Challenges

- Initiation of skill-development program
- Job oriented professional courses

52. **Future plans of the department.**

- Establishment of Centre/Institute for Cultural Heritage Management and Centre for Gandhian Studies
- To acquire extramural funding

Evaluative Report of the Department

1. Name of the Department: School of Studies in Sociology
2. Year of establishment: 1965
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.A	PG	Sociology	1965
2.	M.S.W.	PG	Social Work	2011
3.	M.Phil.	Research	Sociology	1970
4.	Ph.D.	Research	Sociology	1971

5. Interdisciplinary programs and departments involved

Nil

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Annual-M.Phil.
- Semester -M.A. with Choice Based Credit System from the Academic Session: 2015-16
- Semester- MSW with Choice Based Credit System from the Academic Session: 2015-16

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	1
Associate Professor	2	-	-
Assistant Professor	4	5	4
Contract Teachers		1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided in the last 5 Years	
					Ph.D.	M.Phil.
PK Sharma	Ph.D., M.Phil.	Prof & Head	Family & Marriage in Rural Society	25	4(2)*	4
JL Tiwari	Ph.D., M.Phil.	Asstt. Program	Rural Sociology Peasant society and culture, Rural Economic Technological Changes	12	4(2)*	3
N Kujur	Ph.D., M.Phil. NET	Asstt. Program	Tribal Studies in Chattisgarh	12	1(5)*	5

LS Gajpal	Ph.D., NET(JRF)	Asstt. Prof	Rural Agricultural Labour Migration	16	(6)*	5
H Borkar	Ph.D., NET	Asstt. Prof	Studies on Working women	12	1(5)*	3
*Currently working						

12. List of senior Visiting Fellows, Adjunct Faculty, and Emeritus Professors.

1. Program B.C. Barik 2014
2. Program S.N. Choudhary 2014

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.A Sociology	MSW	M.Phil.	Ph.D. (Course work)
2010-2011	Nil	-	Nil	Nil
2011-2012	Nil	Nil	Nil	Nil
2012-2013	Nil	20%	Nil	Nil
2013-2014	Nil	20%	Nil	Nil
2014-2015	20%	20%	Nil	Nil
2015-2016	20%	20%	Nil	Nil

14. Program-wise Student Teacher Ratio

Session	MA Sociology	MSW	M.Phil.
2010-2011	2.4:1	NIL	2:1
2011-2012	2.8:1	3.36:1	2:1
2012-2013	2:1	7.1:1	1.2:1
2013-2014	2.4:1	6.5:1	NIL
2014-2015	1.4:1	3.6:1	6:1
2015-2016	3.66:1	5.7:1	NIL
Ph.D. 6 research scholars (maximum) with each teacher			

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	02	02	02
Administrative Staff	02	02	02

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Tribal Studies	UGC, ICSSR, CGCOST	2012-2014
2.	Industry and Society	UGC, ICSSR	2012-2014
3	Rural studies	UGC, ICSSR	2012-2014

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Completed projects</i>				
JLTiwari	Industralization and tribal society (with sp. reference to Gond tribe of Chhattisgarh state)	UGC, New Delhi	2012-2014	1.35
N Kujur	Educational status of Hill Korwa Tribe.(With Special reference to Jashpur district)	UGC, New Delhi	2012-2014	1.35
N Kujur	A Sociological Study of Educational status of Primitive tribe- Birhor (with sp. Ref to Jashpur and Raighar Dist of Chhattisgarh state)	CCOST	2012-2014	2.0

LS Gajpal	Tribal life in base Camps and structural Change (With Special Reference to South Baster District of Chhattisgarh)	UGC, New Delhi	2012-2014	3.47
H Borkar	Sex education for adolescent students: Need & utility, Sp. Reference with higher secondary schools of Chhattisgarh	UGC, New Delhi	2012-2014	1.35

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Status	Collaboration with	Funding Agency	Amount (INR in Lac)	Year
National	Election Commission of India, Chhattisgarh	ECI, New Delhi	9.46 lac	National
State	Women and Child Welfare Deptt. Chhattisgarh Govt.	C.G. Govt.	10.0 lac	State
State	Rajiv Gandhi Siksha Mission	C.G. Govt.	2.5 lac	State

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a)	State recognition	<ul style="list-style-type: none"> Election commission of India, Chhattisgarh Chhattisgarh State Rajiv Gandhi Siksha Mission
b)	national recognition	Nil
c)	international recognition	Nil

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national/ international)	47		9.4/ faculty
o Monographs	-		
o Chapters in Books	02		
o Edited Books	04		
o Books with ISBN with details of publishers	03		

Publications of Faculty**PK Sharma**

- Sharma,P.K (2012) Role of Family in Nation Building, **Shodh Sampreshan-International Research Journal**, Vol.1.Issue 01. July –Sept-2012, p.48-50.
- Sharma P.K (2012) Parenting a Major Challenge among working Parents, **Research Journal of Program H.S. Gour University, Sagar**.Vol-64, 2012,p. 269-276.
- Sharma P.K (2013). स्वच्छता एवं जनस्वास्थ्य: छ.ग. राज्य के विशेष संदर्भ में **Journal of Pt. Ravishankar Shukla University, Part A**; Vol 16-18, p. 11-12.
- Sharma P.K.(2014). Garebi aour Berojgari ke Mudde and Rastriya gramin rojgar garanti

yojana, *Mind & Society* Vol. 3, No. III & IV, Sept- Dec, ISSN 2277-6907,p.84-91

Book and Book Chapter

1. Kujur N,& Sharma P.K, कोरवा जनजाति की आर्थिक स्थिति:छत्तीसगढ़ के जशपुर जिले के विशेष संदर्भ में, मकण.एस.एन.,चौधरी एवं मनीष मिश्रा, आदिवासी विकास उपलब्धियां एवं चुनौतियां, भाग-1, **Concept Publishing Company PVT.LTD. New Delhi, 2012, p.212-227, ISBN- 13:978-81-8069-835-4**
2. Sharma P.K; (2015), Sanitation and public health Sanitation : An essential Requirement for public health ed. **Sociological of Sanitation, Environment Sanitation, public health and Social Deprivation; Kalpaz Publications, New Delhi, ISBN 978-93-5128- 089-7, p.275-284.**

J L Tiwari

1. Tiwari J (2010)New Agro- Technology and it's impact on Traditional Family and Rural Power structure in Rural Chhattisgarh, **Journal of Pt. Ravishankar Shukla University, Part A; Vol 8-15; pg42-44.**
2. Tiwari J (2011)-Status of Ageing in society: Past and Present,**Research Journal of Humanities and Social Sciences.Vol02,Issue 01,Jan-March-;p.23-24.**
3. Tiwari J (2012)-Impact of Globalisation on Traditional Family in Rural Chhattisgarh, **Shodh Sampreshan-International Research Journal,Vol-2,Oct-Dec,p.116-118.**
4. Tiwari J - Gender inequality in India:A Socio-Historical Perspective, **Journal of Pt. Ravishankar Shukla University, Part A; Vol 16-18; 2013, p.40-43.**
5. **Ravishankar Shukla University, Part A; Vol 16-18; 2013, p.40-43.**
6. तिवारी जवाहर- छत्तीसगढ़ राज्य के बिझवार जनजाति: एक समाज-मानव शास्त्रीय विश्लेषण,शोध संकल्प अंक 6 वर्ष 2 मई-जुलाई 13, पृ. 29-38
7. तिवारी जवाहर- जनजाति परिवार में महिलाओं की आर्थिक भागीदारी (बालोद जिले के गोड़, हल्बा जनजाति के विशेष संदर्भ में), **Quarterly bilingual Indian journal, vol 19 issue -1, July-sep. p. 105-110.**
8. तिवारी, जवाहर लाल.;2014, औद्योगीकरण और जनजातियों की संस्कृति में परिवर्तन (बालोद जिले की हल्बा, गोड़ उरॉव जनजाति के परिप्रेक्ष्य में) **International research journal, vol.06, No.22, April- June. p.**
9. Tiwari J (2014) Challenges of Dependency and Family Care Rural India, **Research Journal of Humanities and Social Sciences.Vol05.Issue 01, Jan-March;page 90-92.**
10. Tiwari J L (2015), Changes in Kinship Relationship in Rural Chhattisgarh, **PeerReviewed Refereed Research Journal of Shodh Sampreshan,July-Sept., No. 13, p. 44-46**
11. Tiwari, J L, ग्रामीण महिलाओं के बेरोजगारी उन्मूलन में मनरेगा योजना की भूमिका (छत्तीसगढ़ राज्य के झिरिया ग्राम पंचायत के संदर्भ में) **An International Peer _Reviewed Journal of Humanities and Social Sciences, April-June 2015, Vol.6, Issue-02, p.97-100**

Book and Book Chapter

1. **Tiwari, J L,** ग्रामीण समाज और आधुनिक कृषि तकनीक, सिंघई पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, रायपुर (2011) ISBN : 81-89546-08-2
2. जवाहर लाल तिवारी, - डॉ. एल.एस. गजपाल ;2015, जनजाति समाज और औद्योगीकीकरण, Vaibhav Prakashan, Raipur, India, ISBN - 81-89244- 66-3
3. **छैल कुमार चंद्रवाशी - डॉ. जवाहर लाल तिवारी** 2015, जनजातियों में शिक्षा की स्थिति एवं समस्याएं, Vaibhav Prakashan, Raipur (India)-, ISBN-81- 89244-67-1

N Kujur

1. N Kujur(2011),आदिम जनजाति कमार:शिक्षा की दशा एवं दिशाएं, **Journal for Social Development, Gari Hotwar, Ranchi (India) , ISSN 0975- 0142, Vol.3,No.4, Oct.-Dec., p.76-81.**
2. N Kujur(2012),, पण्डों जनजाति के विकास में आवागमन के साधनों की भूमिका, for Social Development, Gari Hotwar, Ranchi (India), Vol.4,No.3, Jul.-Sept. p.94-9.
3. N Kujur(2012), विवाह के बदलते दौर में आदिम जनजाति पहाड़ी कोरवा (छत्तीसगढ़ राज्य के राजपुर वन ग्राम के विशेष संदर्भ में) **International Research Journal SHOD –SAMPRESHAN, Raipur, अंक: 2, वर्ष : 1, सं. 2अक्टूबर- दिसंबर 2012, पृ. 129&132**
4. N Kujur (2013); आधुनिकीकरण का कमार जनजाति परिवार पर प्रभाव (छत्तीसगढ़ राज्य के गरियाबंद जिला के विशेष संदर्भ में) **छत्तीसगढ़ विवेक,त्रैमासिक शोध पत्रिका, अंक-42, वर्ष-12, जुलाई-सितंबर,2013, पृ. 36&39**
5. N Kujur ग्रामीण महिलाओं के बेरोजगारी उन्मूलन में मनरेगा योजना की भूमिका (छत्तीसगढ़ राज्य के अतरिया पंचायत विशेष संदर्भ में)**शोध-प्रकल्प, त्रैमासिक रिसर्च जर्नल, रायपुर, Vol. IXIII, Yr.18, April-**

- June, , p.73-75
6. N Kujur(2013) जनजाति विकास में पंचवर्षीय योजनाओं की भूमिका (जशपुर जिला के ग्राम सकरडेगा के उरांव जनजाति के विशेष संदर्भ में) **An International Peer- Reviewed Research Journal for Humanities and Social Sciences (RJHSS)** Vol. 4, Issue 1,Jan-Mar.p.76-81
 7. N Kujur(2013), Role of Ashram Shala Policy in Education Development of Hill Korwa, International Journal for Social Development, **Institute for Social Development and Research Gari Hotwar, Ranchi (India)**, Vol.1,Issue.1, Jan-Mar., p.26-31.
 8. N Kujur(2013)जनसंख्या वृद्धि की चुनौतियों से जुझता आदिम जनजाति बैगा, IJRRSS International Journal of Reviews and Research in Social Sciences, Raipur, Vol.01, Issue 02, Oct.-Dec. p.41-44.
 9. N Kujur(2013)पूँजीवादी शोषण नीति और लोकतंत्रीय समाज व्यवस्था, IJASS, International Journal of Advances in Social Sciences , Vol.01,Issue 02, Oct.-Dec.p. 48-50.
 10. Ranjna Kumari,& Nister K(2013), शिक्षा के संदर्भ में : स्वामी विवेकानन्द Journal of Regional Studies , Special Issue on the Birth Anniversary of Swami Vivekanand, Bi- annual Journal of the Center for Regional Studies , Bhagalpur, Vol.24, No. 47-48, Jan.-Dec. p. 199-201.
 11. Choube Manila,&Nister K(2014)एकार्यशील नवविवाहित दाम्पत्य में पारिवारिक सामजस्य की चुनौतियां (रायपुर नगर के विशेष संदर्भ में), International Research Journal SHOD – SAMPRESHAN, Raipur अंक 9, वर्ष 3, संख्या 3, जुलाई-सितम्बर, पृ. 115&119
 12. Nister K(2014)एआदिम जनजाति कमार के विकास में शासकीय विकास योजनाओं की भूमिका (गरियाबंद जिला के छुरा विकासखण्ड के विशेष संदर्भमें) IJRRSS International Journal of Reviews and Research in Social Sciences, Raipur, Vol.02, Issue 03, July-Sept.p.189-193.
 13. Nister K(2014)एग्रामीण महिलाओं के बेरोजगारी उन्मूलन में मनरेगा योजना की भूमिका (छत्तीसगढ़ राज्य के डोकराभाठा पंचायत के विशेष संदर्भमें ग्रामीण विकास समीक्षा,राष्ट्रीय ग्रामीण विकास संस्थान हैदराबाद, अंक-54,जुलाई-दिसम्बर पृ. 29&36
 14. Nister K(2015),The Economics Crisis and Possibility of Potato Cultivation in Hill Korwa Tribe, Research Journal. Humanities and social Sciences,ISSN-0975-6795 6 (2), p.111-115
 15. Ranjna Kumari, &Nister K(2014),;आर्थिक विकास योजना और जनजाति बिरहोर : छत्तीसगढ़ राज्य के जशपुर एवं रायगढ़ जिले के विशेष संदर्भ में, जनरल ऑफ बिहार का आर्थिक परिदृश्य, अंक-12,वर्ष-6 जुलाई-दिसम्बर, ISSN-0974-9969, p.5-11.
 16. Nister K(2015)एग्रामीण विकास योजनाओं का आदिम जनजाति कमार पर प्रभाव (गरियाबंद जिला के मैनपुर विकासखण्ड के संदर्भ में) International Journal of Advance in social Science, Vol.3 (2), April-June 2015, ISSN 2347-5145, p. 53-57
 17. Nister K(2015) एमैदानी छत्तीसगढ़ में महिलाओं को शौच जाने की समस्या, International Journal Reviews and research in Socioal Sce.ince, Vol.3(2), April - June ISSN 2347-5145, p. 53-58,
 18. Back Prakashchand & Nister K(2015) स्वच्छ पेयजल की चुनौति से जुझता आदिम जनजाति पाण्डों, Research Today A Quarterly Multidisciplinary Peer Reviewed Research Journal, Vol. 18, year-5, April-June ,ISSN 2231-4369, p.183-188.
 19. Nister K(2015),The Economics Crisis and Possibility of Potato Cultivation in Hill Korwa Tribe, Research Journal Humanities and social Sciences, 6 (2) ISSN-0975-6795, p.111-115.

Book and Chapters

1. Kujur Nister; आदिम जनजाति कोरवा, Singhai Publishers and Distributors Raipur,2011, ISBN:81-89546-04-X.
2. Nister Kujur ,& P.K. Sharma (2012), Chapter कोरवा जनजाति की आर्थिक स्थिति :छत्तीसगढ़ के जशपुर जिले के विशेष संदर्भ में,मकण,एस.एन.चौधरी एवं मनीष मिश्रा, आदिवासी विकास उपलब्धियां एवं चुनौतियां, भाग-1, Concept Publishing Company, New Delhi, p.212-227, ISBN- 13:978-81-8069-835-4
3. Kumari Ranjna, &Kujur N (2015) Chapter; जनसंख्या वृद्धि का प्रभाव, इस्टिट्यूट फॉर सोशल डेवलपमेंट एण्ड रिसर्च, रांची pg183&187 ISBN: 978-81-923984-7-1

LS Gajpal

1. Gajpal, LS(2011); Should Prostitution Be Legalized in India, Paper Published in *Madhya Bharti Research Journal* of Program H.S.Gour Central University, Sagar (M.P.),
2. Gajpal, LS,& Tiwari A; HIV AIDS and Youth: Need of Comprehensive strategies, *Researchers today*, Vol.no.2, , pp.42-49
3. Gajpal L.S., Yadav P,& Mahajan A(2012); An Evaluation of SGSY, *Research journal of Social and Life sciences*, Volume 12,Year 06,June
4. Gajpal L.S,& Baghel J.L.(2013) ; Co-operatives' in Chhattisgarh State: Challenges and Remedies, *Researchers Today*, Vol.3 No. 9 Jan-Mar
5. Gajpal, L.S.(2013) ; Labour migration a major challenge in agricultural development of Chhattisgarh state, *Madhya Bharti, research journal of Program H.S.Gour central University, Sagar (M.P.), JAN.*
6. Gajpal, L.S,Tiwari J.L.,&Gajpal K.N(2013) ; Gender Inequality in India: A Socio-Historical Perspective, *Journal of Ravishankar University,Pt.R.S.U.Raipur*, vol. 16-18, Year 2011-13, pp. 40-43
7. Gajpal, L.S,Jha N,& Suryawanshi DN(2013), Student Union Election and Student Politics: A Political Analysis, *Researchers today*, *Research Journal of Social Science*,Vol.no.6, .p.
8. Gajpal,L.S.,&MohantyR(2014);Industrialization and Social Mobility in Tribal community, *EDU Junction, Quarterly Research Journal*, Vol.7, no,2, Apr.-Jun. pp.34-38
9. Gajpal, L.S., &Tandan R(2014);; A Sociological study of Bangladeshi Refugees, *Mind and Society,A Refereed Research Journal in Humanities and Social science*,Vol.03, no. 3& 4,Sep-Dec. pp.92-100
10. Gajpal, L.S,& Sahu M(2014); Impact of Migration on Ageing: A Sociological Study, *Mind and Society, A Refereed Research Journal in Humanities and Social science*, Vol.03, no. 3& 4, Sep.-Dec., pp.109-115
11. Gajpal, L.S,& Gautam S(2014);; The Role of Aganbadi Centre's to Development of Women and Children, A Refereed Research Journal in Humanities and Social science, Vol.03, no. 3& 4, Sep.-Dec. 2014, pp.76-83
- Gajpal,L.S.&Mohanty R (2015); Audyogikikaran awam janjati sanskritk jiwan aur usme hone wala parivartan, *Shodh Sankalp, Quarterly Research journal*,no.13,year 3, Feb.-Apr. p.126-129
13. Gajpal,L.S.&Mohanty R (2015); Audyogikikaran ka janjati janjati vivah sanskar par parabhaw awam vibhinna samyik pariwartan, *Shodh Sankalp, Quarterly Research journal*,no.13,year 3, Feb.-Apr. p.135-138

Books :

1. तिवारी, जवाहर लाल-गजपाल एल.एस.;2015 ईद जनजाति समाज और औद्योगिकीकरण, Vaibhav Prakashan, Raipur, India, ISBN -81-89244-66-3

H Borkar

1. बोरकर ,हेमलता ; कामकाजी महिलाएँ 2012ए : कार्य संतुष्टि (कोरबा नगर के शासकीय व अशासकीय संस्थानों के विशेष संदर्भ में) **Research Journal of Humanities & Social Science**, Vol-03, issue-04, Oct- dec.- PP. 441-443.
2. बोरकर ,हेमलता 2012. ; कामकाजी महिलाएँ : पारिवारिक एवं सामाजिक समस्याएं (कोरबा नगर के शासकीय एवं अशासकीय संस्थानों के विशेष संदर्भ में) **IJless, An Indexed & Reference, Online Journal**, Vol-03, issue-01, दिसम्बर
3. Borkar H. 2012 ; राजनीतिक क्षेत्र के महिलाओं की सहभागिता एवं राष्ट्रीय विकास (रायपुर जिले के भानसोज एवं गोढ़ी ग्राम के विशेष संदर्भ में) **An Indian Research Journal of Humanities & Social Science**, Vol-04, No- 15, July – Sep.pp. 854-857
4. Borkar H. 2013.; “Socio-economic Impact of Mobile Phones”, **ISOR, Journal of Humanities & Social Science**, Vol-07, issue 04, Jan-February, PP.17-18.
5. बोरकर ,हेमलता 2013ए शकामकाजी महिलाओं की कार्यालयीन समस्याएं, **Mind & society, A Quartely Research Journal**, Vol-02, No-01, Jan-March-PP. 37-39
6. Borkar H. 2013, “The Role of Right to Education act in SocialDevelopment”, **Shodh – prakalp Quarterly Research Journal**, Vol-62, No 01,Jan-mar pp-24.
7. बोरकर, हेमलता ; कामकाजी महिलाएँ : समकालीन तथ्यों संबंधी विचार **एडूजंक्शन शोध पत्रिका**_Vol -02, No-01, January-march- 2013, PP

8. बोरकर, हेमलता 2014ए मोबाइल फोन का समाज पर सकारात्मक एव नकारात्मक प्रभाव ,शोध संप्रेषण,त्रैमासिक रिसर्च जर्नल ए VOL- 07,Jan March, pp.46-49.
9. बोरकर, हेमलता 2014; ऑगनबाडी केंद्र मे उपलब्ध सुविधाओं का मूल्यांकन **lab to land multi-disciplinary research journal**,vol.06,no.23,july-sep-,pp.362-364.
10. बोरकर, हेमलता 2014ए;ग्रामीण महिलाओं के सस्क्तीकरण मे स्वसहायता समूह भूमिका, शोध संप्रेषण,त्रैमासिक रिसर्च जर्नल ,VOL-10, oct-dec- pp.65-69.
11. बोरकर, हेमलता 2015;महिला खिलाड़ियों के प्रति परिवार एवं समाज का दृष्टिकोण **An International Research Journal of Huminites & Social Science**, Vol-06, Jan -march., , pp 29-32.

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

Nil

26. Faculty serving in

- a)National committees-
- b)International committees
- c)Editorial Boards –
- d)any other (please specify)

a) National committees- P.K. Sharma Convener –ISS Society RC-2

- PK Sharma- Member in Editorial Board, Shodh Sankalp, National Research Journal
- JL Tiwari -Member in Editorial Board of Research Journal
- N.Kujur-Member in Editorial Board of Research Journal
- LS Gajpal-member Editorial Board of National Research Journal of “Arts, Management & Social Science” Rewa.
Member Editorial Board of National Research Journal of Social Science “*Researchers today*” Raipur.
Member Editorial Board of National Research Journal of Social Science “*Shodh Sankalp*”, Bhilai
Member Editorial Board of National Research Journal of “*SAMAJ VAIGYANIKI*” Rewa(M.P)

Any Other(Member)

- Indian Sociological Society.(Member)
- Water and Soil Conservation Society. (Member)
- Kerala Sociological Society.(Member)

(b) **International committees** :- Nil(c) **Editorial Boards**- H Borkar Member in Editorial Board of Research Journal

(d) any other (please specify) Faculty currently Serving in Committees in PRSU

Faculty	Position
PK Sharma	• Chairman, BoS, Sociology
JLTiwari	• Member, BoS, Sociology • Joint Procter
LS Gajpal	• Co-In charge UTD Student Union • Program officer UTD NSS

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Program Attended by faculty

Faculty	Name of the Program	Date & Year
H Borkar	National Workshop on Research Methodology and SPSS, ASC, PRSU, Raipur	2010-11
	UGC Sponsored Work-shop on How to write Research Article ,ASC, PRSU, Raipur	2010-11
	UGC Sponsored Winter Work-shop, ASC, PRSU,	2013-14

	Raipur	
LS Gajpal	ICSSR Sponsored Work-Shop on Research Methodology and SPSS, Organized by SoS in Economics, PRSU, Raipur	17-8-13 to 26-8-13
JL Tiwari	National Workshop on SPSS, ASC, PRSU, Raipur	2013-14
N Kujur	National Workshop on SPSS, ASC, PRSU, Raipur	2013-14

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

MA (Sociology), MSW & M.Phil. dissertation: 100% in house projects

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Post Doctoral Fellows
- Students

Post Doctoral Fellows

- Rajashree Chatterjee awarded 9th Chattisgarh Young Scientist (28.2.2011)

Fellowships:- 2010-2015

1. Tempeshwari sonwani Rajiv Gandhi Fellowship 2012(JRF) & 2014 (SRF)
2. Usha Sonwani Rajiv Gandhi Fellowship 2013
3. Kirtan Lal Dhruw Rajiv Gandhi Fellowship 2013
4. Mamta Ratre Rajiv Gandhi Fellowship 2013
5. Aradhana Pandel Rajiv Gandhi Fellowship 2012
6. Chandni Markam Rajiv Gandhi Fellowship 2012
7. Pramilla Nagwanshi Rajiv Gandhi Fellowship 2013
8. Sunita Bandhe Rajiv Gandhi Fellowship 2013
9. Pramod Rajiv Gandhi Fellowship 2014

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	National Seminar on Naxals in Indian States, August 21, 2010	Institute of Social Science New Delhi	D M Mitra
	National Seminar on Empowerment of Tribal people in Developing States, Feb. 11-12, 2012	UGC	S Nayak, G P Sharma
	National Seminar on Social challenges in 21 st Century, Feb. 10-12, 2014	UGC	I P Modi, S N Chaudhary, A K Joshi, Diwakar Sharma, B K Swain, B K S Ray
WorkShop	Training program on Research Methodology(SPSS) Capacity Building for Ph.D. SC/ST Research Scholars	ICSSR	D.K.Verma, Senor fellow Social science B.R. Ambedkar Institute Mahu (M.P.)

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC)
- Human Ethics Committee (IEC)
- Plagiarism Cell
- Sexual Harassment Cell
- Anti Ragging Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage (total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
MA Sociology					
2010-2011	19	04	04	100%	100%
2011-2012	22	05	05	100%	100%
2012-2013	16	04	03	100%	100%
2013-2014	16	05	03	100%	100%
2014-2015	19	07	06	100%	100%
2015-2016	33	09	08	-	-
MSW					
2010-2011	Process for opening new academic course-MSW going on				
2011-2012	26	05	08	100%	100%
2012-2013	46	07	21	100%	100%
2013-2014	46	06	17	100%	100%
2014-2015	31	11	10	100%	100%
2015-2016	57	10	09	--	--
Ph.D. Sociology					
2012-2013	68	10	22		
2013-2014	39	7	4		
2014-2015	55	8	9		
2015-2016	48	4	11		

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
MA Sociology	2010-2011	79.2	20.8	00
	2011-2012	82.5	17.5	00
	2012-2013	77.6	22.4	00
	2013-2014	77.1	22.9	00
	2014-2015	76.9	23.1	00
MSW	2010-2011	89.5	10.5	00
	2011-2012	87.2	12.8	00
	2012-2013	83.5	16.5	00
	2013-2014	78.0	22.0	00
	2014-2015	75.0	25.0	00
M.Phil.	2010-2011	80.1	19.9	00
	2011-2012	85.2	14.8	00
	2012-2013	87.2	12.8	00
	2013-2014	88.3	11.7	00
	2014-2015	85.7	14.3	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Cresencia Baxla	NET	2010-2011	ST
2.	Pravenlata Gyakward	NET	2010-2011	OBC
3.	Monoj Sahu	NET	2011-2012	OBC
4.	ProgramParasram Sonwani	NET	2011-2012	SC(PH)
5.	Meera Dewangan	NET	2013-2014	OBC
6.	Pitamber Sinha	NET	2013-2014	OBC
7.	Chitresh Banjare	NET	2013-2014	SC
8.	Reena Tamrakar	NET	2013-2014	OBC

9.	Satish Sahu	NET	2013-2014	OBC
10.	Kshama Chandrakar	NET	2014-2015	OBC
11.	Pradeep Kumar	NET	2014-2015	OBC
12.	Kirtan Lal Dhruw	SLET	2013-2014	ST

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	50%
PG to Ph.D.	20%
Ph.D. to Post-Doctoral	-
Employed	
<input type="checkbox"/> Campus selection	-
<input type="checkbox"/> Other than campus recruitment	-
Entrepreneurs	-

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	77.8%
from other universities within the State	Nil
from universities from other States from	11.11%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Two

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 % (for Faculty only)
b) Total number of class rooms	04
c) Class rooms with ICT facility	01-Seminar hall
d) Students' laboratories	No
e) Research laboratories	No

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university	Doctoral Students:
b) from other institutions/universities	NIL

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:

S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	B.K. Dewangan	PK Sharma	2009	Sociology
2.	Rashmi Kujur		2012	Sociology
3.	Anugrathi John	JL Tiwari	2010	Sociology
4.	Lakesh kumar		2012	Sociology
5.	Mamta Pareek	P Mishra JL Tiwari	2012	Sociology
6.	Dinesh Kumar	JL Tiwari	2013	Sociology
7.	Mamta Ratre	N Kujur	2010	Sociology
8.	Kishan Ku Sahu		2010	Sociology
9.	Ranjana Kumari		2010	Sociology
10.	Manila Choubey		2010	Sociology
11.	Kirtan Lal Dhruw		2012	Sociology
12.	Monoj Kumar Sahu		LS Gajpal	2010
13.	R.N.Tandan	2010		Sociology
14.	Shenlata Gautam	2010		Sociology
15.	Geetanjali Patel	2010		Sociology
16.	Priyanka Pandey	S Girokar LS Gajpal	2012	Sociology

17.	Aradhana Pandel	J Thakur LS Gajpal	2012	Sociology
18.	Neha Verma	J Thakur LS Gajpal	2012	Sociology
19.	Umesh Ku.Vaidya	AN Sharma LS Gajpal	2012	Sociology
20.	Sarita Dewangan	H Borkar	2009	Sociology
21.	Gogia		2010	Sociology
22.	Akhilesh Prajapati		2010	Sociology
23.	Sunita Jangde		2012	Sociology
24.	Kaushal Ku.Vaishnav		2012	Sociology
25.	Gomti Sahu	AN Sharma H Borkar	2012	Sociology
26.	Tempeshwari	P Mishra H Borkar	2012	Sociology
27.	Om Prakash	S Sharma H Borkar	2012	Sociology
28.	Reena Tamrakar	CK Chandrawansi H Borkar	2012	Sociology

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Sarita Sharma	PK Sharma	2010	Sociology
2.	Sreelata Pillay	PK Sharma	2010	Sociology
3.	Sunita Jain	JL Tiwari	2010	Sociology
4.	C.K. Chandrakar	JL Tiwari	2011	Sociology
5.	J.L.Bhagel	JL Tiwari	2011	Sociology
6.	Ahilya Tiwari	H Borkar	2012	Sociology
7.	Eligabeth Bhagat	JL Tiwari	2013	Sociology
8.	ParasRamSonwani	N Kujur	2014	Sociology

40. Number of post graduate students getting financial assistance from the university.

There is no provision of PG scholarship in the University; however, ST, SC and OBC students get financial assistance from the State Government.
Fellowship at MPhil---04 Students for the yr. 2014-15

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, University does undertake need assessment exercise before developing a new program. However, in this department MSW as a new program was introduced during the assessment period (2010-2015).

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes, during Staff Council meetings, all the aspect of the teaching-learning evaluation is discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? A confidential written feedback is taken from the students of the entire course offered about the overall performance of teachers. To revise the syllabus according the need of students for competitive exams
c) Alumni and employers on the programs offered and how does the department utilize the feedback? No

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1	S.K.Srivastava	MA Sociology	1967	Retired –Reader- SoS in Sociology Pt.RSU Raipur
2	G.P.Sharma	MA Sociology	1968	Former-Head, Govt. P.G. College, Durg
3	A.K.Parsai	MA Sociology	1968	Retired Principle, Digvijay College Rajnandgaon
4	D.Bhatnagar	MA Sociology	1968	Retired –Reader- SoS in Sociology Pt.RSU Raipur
5	A.K.Nema	MA Sociology	1972	Retired. Principle, Govt. Coll. Mahasamund
6	P.K.Sharma	MA Sociology	1976	HOD -SoS in Sociology, Pt.RSU Raipur
7	J.L.Tiwari	MA Sociology	1977	Asstt. Program- SoS in Sociology Pt.RSU Raipur
8	M.L.Pandey	MA Sociology	1978	Add. Director-Social Welfare Directorate, Raipur
9	Nilkant Thakur	MA Sociology	1978	S.P.- CG Police
10	Indu Anant	MA Sociology	1985	Registrar , Bastar University

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

- Program B.C. Barik- V.C- Sambalpur University Sambalpur
- Program Promilla Singh- SoS in Psychology
- Program S.Naik, Sambalpur University, Sambalpur

45. List the teaching methods adopted by the faculty for different program

1. Class Room Teaching
2. Two way Communication
3. Class room discussion
4. Continuous Assessment
5. ICT-enabled class room teaching

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

Interactive method: Seminars/ Class presentations and Group discussions

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Program objectives and learning outcomes are discussed in staff council meetings held regularly monthly basis.
- Discussions and monitoring on results at end of each session and reforms required
- Internal Assessment /Continues evaluation by Class test and Presentation
- Regular viva-voce in practical

47. Highlight the participation of students and faculty in extension activities.

1. Health Camps and Health awareness Program by PG Students.
2. Plantation campaign by PG Students
3. Swatch Bharat awareness by Students of the department.
4. Awareness of Medicinal Plants with collaboration of CG-Horticultural Dept. by Faculty and Students

48. Give details of “beyond syllabus scholarly activities” of the department.

Awareness program in Slums
 Training Program –How to counsel the Clients.
 Review/ Articles etc
 Student mentoring program

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Review article and Review, Book, Monograph, Chapters in edited book, Articles, Ph.D. – M.Phil.

Dissertation valuation by faculties work as resource material in the same/other universities

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Consultancy to government agencies for policy making
- Collaborative research to design inventory for surveying missing child, and attitude and behaviour of voters during general election

Weaknesses

- Lack of Linkages/MoUs and IPR
- Lack of publications in SSCI journals

Opportunities

- Scope for extramural funding
- To explore social behavioral changes due to urbanization

Challenges

- To expand possibilities for student enrolment
- Skill-based curriculum in syllabi

52. Future plans of the department

- Establishment of ICT enabled laboratory
- To strengthen research and extension activities of local needs

Evaluative Report of the Department

1. Name of the Department: School of Studies in Statistics
2. Year of establishment: 1977
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	M.Sc.	PG	Statistics	1977
2.	M.Phil.	Research	Statistics	2007
3.	Ph.D.	Research	Statistics	1977

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual - M.Phil.
 - Semester - M.Sc. with Choice Based Credit System in place from the Academic Session: 2015-16
9. Participation of the department in the courses offered by other departments
Nil
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	0	4
Associate Professor	2	2	0
Assistant Professor	3	2	0
Contract Teachers	-	1	1
Guest Teachers	-	1	1

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. of Ph.D./ M.Phil. students guided for the last 5 years	
					Ph.D.	M.Phil.
Gaurishankar	Ph.D.	Professor	Statistical Quality Control, Theory of Detoriation	38	2	1
SK Singh	Ph.D.	Professor	Reliability Theory, Survival Analysis	38	3	0
V Dubey	Ph.D.	Professor and Head	Sampling Theory	28	1 (2)*	1
P Rohatgi	Ph.D.	Professor	Operations Research	32	1 (2)	3

*Currently working

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

Session	M.A./M.Sc.(Statistics)
2010-2011	20
2011-2012	30
2012-2013	40
2013-2014	50
2014-2015	40
2015-2016	40

14. Program-wise Student Teacher Ratio

Session	PG Program	M.Phil.
	Statistics	Statistics
2010-2011	4.2:1	-
2011-2012	3.2:1	1.0:4
2012-2013	5.0:1	1.2:1
2013-2014	7.8:1	-
2014-2015	7.3:1	-
2015-2016	7.5:1	-
Mean	5.4:1	0.9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	3	2	2
Administrative Staff	2	2	2

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Funding Agency	Period
1.	Statistical Quality Control	DST, UGC	1988-2006
2.	Reliability Theory	DST, MPCOST, UGC	1995-2003
3.	Sampling Theory	UGC	1997-1999
4.	Operations Research	CGCOST	2012-2014

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

National				
PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
Completed projects				
P Rohatgi	CCOST, Raipur	Study of rest-activity circadian rhythm in cancer patients: An attempt to develop strategies for chronotherapy and QoL	2012-2014	2.0
Ongoing projects				
V Dubey	CCOST, Raipur (Proposed)	Estimation of Population Parameters Using Auxiliary Information	2015-2018	5.0

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a) State recognition	CCOST
b) National recognition	-
c) International recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
o Number of papers published in peer reviewed journals (national / international):	31	02	8.25
o Monographs	-		
o Chapters in Books	-		
o Edited Books	-		
o Books with ISBN with details of publishers	04		01
o Number listed in International Database (For e.g., Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) GOOGLE SCHOLAR – 191; h-Index (15); i10-Index (26); Since 2010 (3); Citations (191)	33		
o Citation Index – range / average [Google Scholar]	Range:0- 51		3.97
o Total citation [Google Scholar/ SCOPUS]	Google Scholar: 191		
o h-index [Google Scholar/ SCOPUS]	Faculty		Google Scholar
	Gauri Shankar		4
	SK Singh		6
	V Dubey		4
	P Rohatgi		-

Publications of Faculty**[I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]****G Shankar**

1. Gangeswar, D.K. and Shankar, G. (2015): Acceptance sampling plan where acceptance criterion is the minimum warranty period. **Jour. of Statistics and Management Systems**, 18(4), 321-328. [F]
2. Shankar, G. and Chaurasia, P. K. (2013): CUSUM chart for generalized exponential failure model. **MATS University Journal**, 1, 2, 186-189. [I]
3. Shankar, G. And Gangeswar, D. K (2012): Acceptance sampling plans where the acceptance criteria are the capability index. **IJMRAE**, 4, 1, 257-266. [I]
4. Shankar, G. and Chaurasia, P. K. (2012): GERT analysis of chain sampling inspection process control plan. **International Journal of Agriculture. Statistical Sciences**, 8, 1, 31-40. [I]
5. Shankar, G. and Chaurasia, P. K. (2012): CUSUM chart for generalized exponential failure model. **MATS University Journal**, 1, 2, 186-189. [I]
6. Shankar, G. and Chaurasia, P. K. (2011): GERT analysis of Deferred sampling plan for

- three quality classes. **International Journal of Essential Sciences**, 5, 2, 52-63.5. [I]
7. Shankar, G. and Chaurasia, P. K. (2010): Conditional corrective action plan for three attribute classes. *Journal of Statistical Theory and Practice*, 4, 2, 323-336. [I]
 8. Shankar, G, Shrivastava, A. and Saxena, R.R. (2010): Growth and instability: an inter zonal analysis of Kharif and Rabi crops in Chhattisgarh. *Res. J. Engineering and Tech.*, 1, 1, 18 – 23. [I]
 9. Shankar, G. and Rai, P. K. (2010): A Stochastic process control plan for production processes. *International Journal of Statistics and Systems*, 15, 2, 81-92. [I]
 10. Shankar, G. and Rai, P. K. (2010): Single Sampling Plan for Markov Dependent Production Processes. *Interna. Jour. of Statistics and Systems*, 5, 3, 289-296. [F]

SK Singh

1. Singh, S.K. and Sahu, K. (2014): “Stochastic analysis of a three parallel identical units subject to two phase repair”. *The Aligarh Journal of Statistics*. Vol.34,p.13-26 **ISSN-0971-0388**. [I]
2. Singh,S.K. and Sahu, K. (2014) :“Stochastic analysis of a two unit warm standby system subject to random inspection and two types of repair.” *Conference proceeding of International Conference on Mathematical Sciences ICMS 2014*, Publish by Elsevier. p. 825-829. **ISBN – 978-93-5107-261-4**. [I]
3. Singh,S.K. and Sahu, K. (2011): “On the stochastic analysis and maximum likelihood estimation of availability of a two unit cold standby system subject to inspection and replacement.” , *International Journal of Essential Sciences (IJES)*. Vol.5, No.2p.17-29.**ISSN-973-8436**. [I]
4. Singh,S.K. and Sahu, K. (2011): “On the stochastic analysis of a master slave system having one master unit, one slave unit and one working unit.” *Bulletin of Pure and Applied Sciences*.Vol.30E (Maths& Stat.) No.2 (July-Dec.), p.303-316. **ISSN-0970-6577**. [I]
5. Singh,S.K. and Sahu, K. (2011) :“A study on two unit parallel system subject to inspection and replacement.”*Ultra Scientist of Physical Sciences (International Journal of Physical Sciences)*.Vol.23, No. 3(A) p.717-726. **ISSN-2231-346X**. [I]
6. Singh,S.K. and Sahu, K. (2011) :“Maximum likelihood estimation of a system having three units in parallel configuration subject to three types of failure.” *Assam Statistical Review*. Vol.25, No. 1-2 p.88-100. **ISSN-0976-4291**. [I]
7. Singh,S.K. and Sahu, K. (2011) :“Stochastic analysis of a system having three identical units with four types of failure” *Emerging Journal on Engineering Science and Technology (EJEST)*.Vol.5(1)33-39.**ISSN-0974-2050**. [I]
8. Singh, S.K. and Sahu, K. (2010): “On the stochastic analysis and maximum likelihood estimation of availability of a master slave system having three types of non –identical units.” *Emerging Journal on Engineering Science and Technology (EJEST)*.Vol.5 (1)10-20.**ISSN-0974-2050**. [I]

V Dubey

1. Dubey, V. and Rathore, J. (2015): **On almost unbiased Product Estimators**. *Journal of Ravishankar Shukla University, Science-B*, Accepted. [I]
2. Dubey, V. (2013): On Improving estimators of population mean using auxiliary information in presence of non-response, *Recent Developments On Statistical Theory And Practice*, Bonfering Intellectual Integrity, 227-237, ISBN 978-93-83459-13-1, 2013. [I]
3. Dubey, V. and Jaya Rathore(2012): A note on bias adjustment in ratio estimator, *Applications of Reliability theory and survival Analysis*, Bonfering Intellectual Integrity, pp. 210-223, ISBN No. 978-93-82338-25-3. [I]
4. Dubey, V. and Uprety M.(2011) : An Estimator of population variance using auxiliary information under general sampling design, *Research Jour. Of Sc.& Tech.*, Vol. 3(6), pp.351-358, ISSN 0957-4393. [I]

P Rohatgi

1. Rohatgi, P. (2012): "Application of Preemptive Priority Queues to Health". *International Journal of Agricultural and Statistical Sciences*, Vol.6, No.2, Dec.2012. [I]
2. Rohatgi, P. and Shrivastava, N. (2011): “Queuing Analysis of Automatic Teller Machine (ATM) Services in India.” *International Journal of Agricultural and Statistical*

- Sciences, Vol.7, No.1, pp.167-177. [I]
3. Rohatgi, P. (2011): "Information Theoretic Approach for Optimal Inventory". Int. J. of Math., Sc. & Engg. Appls., Vol.5, No.1, pp. 409-415. [I]
 4. Rohatgi, P. (2010): "Resource Allocation Methods for Capital Budgeting in Educational Institute" Indian Journal of Human Relations, Vol. 37, pp.91-112. [I]
 5. Rohatgi, P. (2010): "Application of Dynamic Programming for Resource Allocation Problem". Shodh Prakalp, Vol. XXXXX, No.1, pp. 46-54. [I]
 6. Rohatgi, P. (2010): "Linear Programming Approach for Cost and Risk Minimization of CSP-1". Int. J. of Math. Sc. & Engg. Appls., Vol.4, No.4, pp. 101-113. [I]
 7. Rohatgi, P. (2010): "Dynamic Programming Approach for Economic Screening". International Journal of Agricultural and Statistical Sciences, Vol.6, No.2, pp. 549-556. [I]
 8. Rohatgi, P. and Shrivastava, N. (2010): "Goal Programming Approach for Resource Allocation in Library". Assam Statistical Review, Dibrugarh, Vol.24, No.1-2, pp. 91-110. [I]
 9. Rohatgi, P. and Shrivastava, N. (2010): "Simultaneous Decision Problem in Periodical Section of a Library ". International Journal of Agricultural and Statistical Sciences, Vol.6, No.2, pp. 669-675. [I]
 10. Rohatgi, P. and Shrivastava, N. (2010): "Maximum Likelihood Estimator of True Scores and Reliability of Examiners." Journal of Ravishankar Shukla University, (Science), Vol. 21, pp.32-36. [I]
 11. Rohatgi, P. and Shrivastava, N. (2010): "Application of Optimization Techniques to Library Services ". Vidarbha Journal of Science, Vol. 5, No. 1-2, pp.46-56. [I]

Books

1. Shankar G. And Chourasia P.K. :Some Applications of GERT analysis in Quality Control: *For large Industrial area*, , **LAP Lambert Academic Publishing Comp., Germany** ISBN: 978-3-659-17421-7, 2012
 2. Shankar G. : Karma and Disease ,**A & V Publications, Raipur**, ISBN: 978-81-921373-3-9 (C.G.), 2013
 3. Dubey, V. and P.K. Sangal: Statistical Inference- Non parametric Tests .MST-004, **IGNOU, New Delhi**, ISBN No. 978-81-266-6479-5, 2013.
 4. Rohatgi, P. And Srivastava N. : Applications of Operations Research Techniques in Management Systems: Uses in real world problem. LAMBERT Publication (Online), ISBN 13: 978-3845435602, 2015
23. [Details of patents and income generated](#)
None
 24. [Areas of consultancy and income generated](#)
None
 25. [Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad](#)
None
 26. [Faculty serving in](#)
 - a) National committees : Nil
 - b) International committees : Nil
 - c) Editorial Boards
 - d) any other (please specify)

Gauri Shankar

Any other: Members in Professional Body

- Indian Statistical Society, Pune
- Gujrat Statistical Association, Ahmedabad
- Assam Statistical Association, Dibrugarh

SK Singh

National Committees:

- President , Mahamana Malaviya Mission Branch ,Raipur (C.G.)

Editorial Boards

- Chairman ,Editorial Board, Emerging Journal on Engineering, Science and Technology (EJEST) ISSN:0974-2050
- Chairman ,Editorial Board, International Journal of Engineering and Technological Project (IJETP) ISSN:0974-2859
- Associate Editor, International Journal on Computer Engineering and Information Technology (IJCETI) ISSN: 0974-2034
- Managing Editor, Engineering Magazine for Research Article(EMCA) ISSN: 0974- 2301
- Managing Editor, International Technological Bulletin of Engineering Students (ITBES) ISSN:0974-2867
- Editor, International Journal of Agricultural and Statistical Sciences (IJASS) ISSN:0973-1903

Any other: Members in Professional Body

- Indian Statistical Society, Pune
- Indian Science Congress
- Indian society of Probability and Statistics
- Indian society of Medical Statistics

V Dubey**Any other: Member Professional Bodies**

- Gujrat Statistical Association, Ahmedabad
- Indian Soc. Of Agri. Statistics, IASRI, New Delhi
- Assam Statistical Association, Dibrugarh
- Mathematical Society, B.H.U., Varanasi

P Rohatgi**Editorial Boards:**

- Member, International Jour. of Essential Sciences, Meerut

Any other: Members in Professional Body

- Indian Statistical Society, Pune
- Journal of Human Relations

Any other: Faculty currently Serving in Committees in PRSU

Faculty	Position
SK Singh	Central Purchase Committee
V Dubey	<ul style="list-style-type: none"> • Member, Academic Council • VC Nominee, Examination Committee • Nodal Officer, Statistics cell • Nodal Officer, All India survey on Higher Education, PRSU Region
P Rohatgi	<ul style="list-style-type: none"> • Chairman, Board of Studies in Statistics
All Faculty	<ul style="list-style-type: none"> • Board of Studies in Statistics

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Organized

Coordinator	Name of the Program	Date & Year
V Dubey	National Workshop on SPSS, ASC, PRSU	December, 2013

Program Attended by Faculty

Faculty	Name of the Program	Date & Year
P Rohatgi	National Statistics System Training Academy, Ministry of Statistics and Program Implementation, Govt. of India	Aug. 4-8, 2014

Lectures delivered by faculty**SK Singh**

- National Workshop on advances in Statistics (Nwasrda), March 27-29,2015,Department of Statistics ,N.E.S.Science College ,NANDED (Maharashtra)

- State level workshop in “Research Trends and Methodology in Social Sciences :Problems & Prospects”, 22nd, Dec, 2011, Department of Political Science , Govt. Digvijay College , Rajanandgao
- State Level Workshop on “New Dimensions in Research methodology ” 20-21 January 2011 in Govt. Digvijay College, Rajanandgao
- UGC Sponsored National workshop in Mathematics organized by B.C.S. Govt. P.G. College, Dhamtari (C.G.), Oct. 26-28,2010
- “UGC-Workshop on DATA AND ANALYSIS :USE OF SPSS”, Oct. 28 to Nov. 02, 2010, SOS in Psychology, Pt. R.S. University, Raipur

V Dubey

- Refresher Course, UGC- Academic Staff College, PRSU, Raipur, Feb, 2015

P Rohatgi

- UGC- Academic Staff College, PRSU, Raipur, Feb, 2015
- Orientation Course, Academic Staff College, PRSU, Raipur, 2013
- Refresher Course, Academic Staff College, PRSU, Raipur, 2013
- UGC Workshop on Research Methodology and Data Analysis, Swami Swarupanand Institute of Education, Bhilai, Sept. 26- Oct. 01, 2011
- Orientation Program, Academic Staff College, PRSU, Raipur, Aug. 5-6, 2011
- Workshop on use of SPSS, Bhilai Maitri College, Bhilai, Dec. 17-21, 2010
- UGC-Workshop on SPSS, Oct. 2-Nov.2, 2010

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/ institute

M.Sc.: 100% in-house project

M.Phil.: 100% in-house project

29. Awards / recognitions received at the national and international level by

- Faculty : Dr, Kanti Sahu, Young Scientist Award, CGCOST, 2015
- Doctoral / post doctoral fellows : Nil
- Students : NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	1.Golden Jubilee National Conference on Recent Advances in Statistics and Applications, Nov. 15-17, 2013	UGC, DST, ICMR, CCOST	1. Arvind Pandey Director, Indian Council of Medical Statistics, New Delhi 2. S.N. Dwivedi, AIIMS, New Delhi 3. Yogendra Singh, Deputy Derctor Gen., National Academy of Statistical Administration, Greater Noida, New Delhi 4. B. N. Pandey, B.H.U., Varanasi 5. S.K. Upadhyay, B.H.U., Varanasi 6. D.K. Ghosh, Saurashtra Univ,Rajkot 7. M.N. Patel, Gujarat Univ. Ahmedabad 8. M. Pal, Indian Statistical Inst., Kolkata 9. G. Mishra, Utkal Univ., Bhubneshwar 10. H.N. Dutta, Assam Univ., Dubrugarh

31. Code of ethics for research followed by the departments

- Departmental Research Committee (DRC) monitors research activities of the department
- Plagiarism Cell

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected (at entry level: 1 st semester)		Pass percentage (total: 2 nd + 4 th Semesters)	
		Male	Female	Male	Female
M.A./M.Sc. (Statistics)					
2010-2011	17	7	6	100%	100%
2011-2012	05	1	4	100%	100%
2012-2013	21	0	18	100%	100%
2013-2014	34	10	15	-	100%
2014-2015	46	06	19	100%	100%
2015-2016	48	07	18		
M.Phil. (Statistics)					
2011-2012	01	-	01	-	100%
2012-2013	05	01	04	100%	100%
2013-2014	02	-*	-*	-	-
2014-2015	08	-*	-*	-	-
2015-2016	-	-*	-*	-	-
Ph.D. (Statistics)					
2013-2014	01	-	01		
2014-2015	04	01	03		
2015-2016	01	01	-		
*None Qualified in Entrance Test					

33. Diversity of students

Name of the Program	Year	% of students from the same University	% of students from other Universities within the State	% of students From universities outside the State	% of students from Other Countries
M.A. /M.Sc. (Statistics)	2014-15	96	00	4.0	00
	2013-14	96.0	00	4.0	00
	2012-13	85.8	7.1	7.1	00
	2011-12	80.0	00	20	00
	2010-11	100	00	00	00

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Kanti Sahu	UGC NET	2013	OBC

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	3.0 %
PG to Ph.D.	2.5 %
Ph.D. to Post-Doctoral	Nil
Employed	
□ Campus selection	Nil
□ Other than campus recruitment	24
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	25 %
from other universities within the State	Nil
from universities from other States from	75%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	100 %
b) Total number of class rooms	03
c) Class rooms with ICT facility	01
d) Students' laboratories	01
e) Research laboratories	03

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/ university

i. Currently working [Registered/ Admitted] for PhD:				
S. No.	Name of Student	Guide	Year of registration/ Admission	Subject
1.	Suchita Agrawal	P Rohatgi	2013	Statistics
2.	Amita Sharma	V Dubey	2014	
3.	Namrata Khatri	P Rohatgi	2014	
4.	Arun Kr Shukla	V Dubey	2015	

ii. Post-doctoral: None

iii. Research Associates: None

b) from other institutions/universities : Nil

Doctoral degree Awarded [2010-2015]

S. No.	Name of Student	Guide	Year	Subject
1.	Alok Srivastav	Gaurishankar	2010	Statistics
2.	Pradip Kr. Chourasia	Gaurishankar	2011	
3.	Anil kr. Tiwari	SK Singh	2011	
4.	Kanti Sahu	SK Singh	2011	
5.	Jaya B. rathore	V Dubey	2012	
6.	Nidhi Srivastav	P Rohatgi	2010	

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? The feedback collected from students on staff, curriculum and teaching-learning process (Questionnaire 1-3) is analyzed and discussed in the staff council in detail and remedial measures are taken. Mentoring of the students is also done by the faculty.

c) Alumni and employers on the programs offered and how does the department utilize the feedback?

- Through teacher parent meet
- Through Alumni meet
- Through inventories (Former Faculty)
- Through Visitors diary (Peers)

43. List the distinguished alumni of the department (maximum 10)

In academics:

S. No.	Name	Course	Year	Current Position Held
1.	Gayatri Chandrakar	M.Sc. (Statistics)	1980	Professor, Dept. of Math. & Statistics, IGKVV, Raipur
2.	R.B. Singh	Ph. D. (Statistics)	1993	Professor & Head Dept. of Math. & Statistics, JNKVV, Jabalpur
3.	A.K. Singh	Ph. D. (Statistics)	1995	Professor & Head, Dept. of Math. & Statistics, IGKVV, Raipur
4.	V. K. Pathak	Ph. D. (Statistics)	2002	Professor, Dept. of Math. Govt. College, Dhamtari
5.	R.C. Ram	Ph. D. (Statistics)	2005	Professor, Dept. of Community Medicine, Pt. J.N.M. Govt. Medical College, Raipur

In Administration:

1.	Ajit Kumar	M.Sc. (Statistics)	1979	Director, APJ region HP computers Ltd. , New Delhi
2.	C.P. Shyam Kumar	M.Sc. (Statistics)	1984	DGM, IBM Section, CSEB, C.G.
3.	Subir Dutta	M.Sc. (Statistics)	1985	Deputy General Manager, T&D Co-op- Federation Ltd. Raipur
4.	S. Joseph	Ph. D. (Statistics)	1990	OSD(IT) to Govt. of Chhattisgarh
5.	Roshan Lal Sahu	M.Sc. (Statistics)	1993	ISS, Joint Director, Ministry of Statistics and Program Implementation, New Delhi

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

Conferences & Workshops: 2010-2015

Invited lectures 2010-2015:

Invited Speaker	Year
1. A. Sengupta, Kolkata University	2013
2. G.C. Mishra, Dept. Of Farm Engineering, Inst. Of Agricultural Science, B.H.U., Varanasi	2013
3. P.G. Khot, Nagpur University, Nagpur	2013
4. S. K. Acharya, Sambalpur University, Burla	2013
5. S. N. Bagh, Sambalpur University, Burla	2013
6. C. K. Tripathi, Utkal University, Bhubneshwar	2013
7. Rajesh Singh, Amravati University	2013
8. T. Srivankataramana, Bangalore University	2013
9. O.K. Belwal, H.N.B. Garhwal University, Srinagar	2013
10. A. Rajrathinum, Manonmaniam Sundernar University, Tirunelveli (Tamilndu)	2013

45. List the teaching methods adopted by the faculty for different progra

- Instruction paradigm
- Learning paradigm

- Lab work
- Field Work
- ICT

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
• Staff Council	Monthly meeting and interaction
• DRC	Progress of research activity
• Feedback	Feedback analyzed and discussed in Staff Council meeting
• Attendance	Monitored twice in the semester
• Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.

Cleanliness drive
 Plantation – Photograph for proof
 Blood donation camp
 Public Out Reach Center

Description	Date	Beneficiary
Rajyotsav	November 1 st Week	Public in general and students in particular
INSPIRE	Twice in a year	+ 10 School students of the state
Annual Young Scientist Meet	Once in a year (Feb-March)	Academicians and Researchers

48. Give details of “beyond syllabus scholarly activities” of the department.

- Acting as adjudicator for evaluation of PhD thesis of other university
- Acting as Resource Person
- Referring of manuscripts
- Members in Editorial Board
- Members in Advisory Committee

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Yes; Books written by faculties work as resource materials in other Universities.

Book

1. **Shankar G. And Chourasia P.K. Some Applications of GERT analysis in Quality Control: For large Industrial area,** , LAP Lambert Academic Publishing Comp., Germany ISBN: 978-3-659-17421-7, 2012
2. **Shankar G. : Karma and Disease** ,A & V Publications, Raipur, ISBN: 978-81-921373-3-9 (C.G.), 2013
3. **Dubey, V.** and P.K. Sangal: Statistical Inference- Non parametric Tests .MST-004, IGNOU, New Delhi, ISBN No. 978-81-266-6479-5, 2013.
4. Rohatgi, P. And Srivastava N. : Applications of Operations Research Techniques in Management Systems: Uses in real world problem. LAMBERT Publication (Online), ISBN 13: 978-3845435602, 2015

Description	Beneficiary
• Publication of original research paper	Faculty, Scholars and Students
• Reviews/ Chapter in books	
• Dissertation (Ph.D. & M.Phil.)	
• Project work for M.Sc.	

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Expertise in interdisciplinary research
- Data analysis for policy formulation

Weaknesses

- Lack of consultancy, Patents
- Lack of linkages with industry

Opportunities

- Industry based Research
- Increasing popularity index of the Course

Challenges

- Implementation of Modular syllabus
- Linkage/ Consultancy/ MoU

52. **Future plans of the department.**

- To start new Courses on M.Sc. in Bio-Statistics, P.G. Diploma in Population Studies and P.G. Diploma in Actuarial Science

Evaluative Report of the Department

1. Name of the Department: Institute of Teachers Education
2. Year of establishment: 2005
3. Is the Department part of a School/Faculty of the university? A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	B.Ed.	UG	Education	2005
2.	M.Ed.	PG	Education	2006

5. Interdisciplinary programs and departments involved
Nil
6. Courses in collaboration with other universities, industries, foreign institutions, etc.
Nil
7. Details of programs discontinued, if any, with reasons
Nil
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System
 - Annual – M.Ed., B.Ed.

9. Participation of the department in the courses offered by other departments
Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/ Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	-	-
Associate Professor	1	-	-
Assistant Professor	10	-	-
Contract Teachers	12	8	8

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided in the last 5 Years	
					M.Ed.	Ph.D.
G Sharma	Ph.D.	Assistant Professor	Research Methodology	08	35	-
R Tiwari	M.Ed. NET	Assistant Professor	Philosophy, Teaching Science Methodology	06	27	-
P Jha	Ph.D.	Assistant Professor	English Methodology	12	-	-
A Tiwari	Ph.D.	Assistant Professor	Sociology	06	-	-
S Verma	M.Phil.	Assistant Professor	Hindi Methodology	04	15	-
R Jangde	M.Ed., NET	Assistant Professor	Social Science Methodology	04	-	-
S Toppo	M.Ed.	Assistant Professor	Educational Technology	03	11	-

A Mishra	M.Ed.	Assistant Professor	Psychology	07	-	06
----------	-------	---------------------	------------	----	---	----

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – program-wise information

100%

14. Program-wise Student Teacher Ratio

Session	M.Ed.	B.Ed.
2010-2011	7:1	17:1
2011-2012	6:1	15:1
2012-2013	6:1	14:1
2013-2014	5:1	12:1
2014-2015	5:1	13:1
2015-2016	4.87:1	10.25:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	3	1	1
Administrative Staff	4	2	2

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Nil

18. Inter-institutional collaborative projects and associated grants

a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

Nil

21. Special research laboratories sponsored by/ created by industry or corporate bodies

Nil

22. Publications:

Parameter	Number		Average
	National	International	
○ Number of papers published in peer reviewed journals (national/ international)	17		2.12/ faculty
○ Monographs	-		
○ Chapters in Books	-		
○ Edited Books	-		

○ Books with ISBN with details of publishers 1. APH publication Delhi ISBN-978-3-659-18246-4	01	
--	----	--

Publications of Faculty

G Sharma

- 1 Sharma, G. & Jha, M. (2014). Students' perception of classroom environment and academic achievement. **Education Times: An International Journal of Education and Humanities**, 2(1), 243-247.
- 2 Sharma, G. & Jha, M. (2014). Academic performance in relation to parents' education, institution and sex. **Journal of Psychological Research**, 9(1), 173-186.
- 3 Sharma, G. (2014). Students' perception of classroom environment in government and private school of Raipur district. **Aiyra: The Journal of Young Researcher**, 1(2), 87-89.
- 4 Sharma, G. (2014). Study of classroom environment, parental education, income & institution as predictor of students' academic achievement. **International Journal of Education and Management Studies**, 4(4) 258-262.

A Tiwari

- 1 Tiwari, A. (2012). B.Ed. upadhi hetu prashikshanrat prashiksharthiyon ki adhyan abhikshmta awam adhyapan abhiruchi ka tulnatmak adhyan. **Shodh Prakalp**, 60, 21-23.
- 2 Tiwari, A. (2013). Shiksha ke adhikar ke kriyanvan me prashanik samsyanye. **Lab to Land**, 5, 152-154.
- 3 Tiwari, A. (2013). Anusuchit janjatiyon me shiksha ka abhav. **IJASS**, 1, 61-62.
- 4 Tiwari, A. & Borkar, H. (2014). Mobile phone ka samaj par nakaratmak awam sakaratmak prabhav. **Shodh Sampreshan**, 7, 46-49.

P Jha

- 1 Jha, P. (2013). A study of English as a foreign language among the senior secondary tribal students, **Shodh Sampreshan**.
- 2 Jha, P. (2013). English, its past present and future among the tribal students of bastar and kanker areas. **Chhattisgarh Vivek**.

23. Details of patents and income generated

None

24. Areas of consultancy and income generated

None

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad

None

26. Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards
- d) any other (please specify)

None

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
G. Sharma	Orientation Program on Research Methodology on Higher Education	October 1-28, 2013
R. Tiwari	Orientation Program on Quality of Higher Education: Extension Work	January 7 – February 3, 2014

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects
- percentage of students doing projects in collaboration with other universities/industry/institute

M.Ed.: 100% in house projects

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / Post doctoral fellows
- Students

None

30. Seminars/ Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

	Program	Source of funding	Outstanding participants
Seminars	National Seminar on Challenges of Higher Education in India December 07, 2011	Azeem Premji Foundation, Chhattisgarh	Anurag Behar (VC Azeem Premji Foundation Bangalore) D. Ranjekar
	National Seminar on Right to Education, March 01-03, 2013	UGC and Rajeev Gandhi Shiksha Mission	Reena Baba Saheb Kangale (IAS) Ramesh Nayyar Jitendra Patidar (New Delhi)
	National Seminar on Teacher in 21 st century 02.01.2014	State Resource Centre and University Golden Jubilee Fund	Lalit Surjan Dinesh Shrivastva (School Education secretary) Dinesh Marothia (NIE) Harikesh Sing (BHU) Tuhin Dev (SRC)

31. Code of ethics for research followed by the departments

Nil

32. Student profile program-wise:

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Ed.					
2010-2011	143	08	32	99	100
2011-2012	121	11	29	100	100
2012-2013	140	13	27	99	99
2013-2014	150	14	26	100	99
2014-2015	101	11	29	99	100
B.Ed.					
2010-2011	Entrance test by VYAPAM	52	45	99	100
2011-2012		27	73	100	100
2012-2013		36	62	99	98
2013-2014		45	54	99	100
2014-2015		31	69	100	98

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from Universities outside the State
B.Ed.	2014-15	58	22	20
M.Ed.	2014-15	67.5	20	12.5

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

S. No.	Name of the student	Exam	Year	Category
1.	Swati	NET	2010	General
2.	Pratibha Bhangla	NET	2011	General
3.	Reeta Choudhary	NET	2011	General
4.	Sharmistha Shetti	NET	2012	General
5.	Vikas Kumar	NET	2014	General
6.	Vikas Kumar	NET	2013	General
7.	Durga Gendle	NET	2013	General
8.	Gouri Sharma	NET	2014	General
9.	Sweety Chandrakar	NET	2015	General
10.	Coria Vilas	NET	2015	ST
11.	Durga Gendle	NET	2015	SC
12.	Vikas Kumar	NET	2014	General
13.	Vikas Kumar	NET	2013	General
14.	Durga Gendle	NET	2013	General

35. Student progression

Student progression	Percentage against enrolled
UG to PG	3-5
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	50
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	80
from other universities within the State	20
from universities from other States	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Three

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	07
c) Class rooms with ICT facility	-
d) Students' laboratories	02
e) Research laboratories	-

39. List of doctoral, post-doctoral students and Research Associates

None

40. Number of post graduate students getting financial assistance from the university.

Nil; however, ST, SC and OBC students get financial assistance from the State Government.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

No new programs introduced during the assessment period.

42. Does the department obtain feedback from

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, During Staff council meetings, all the aspect of the teaching-learning evaluation is discussed. At the start of the academic session the course details are discussed and finally course completion is discussed at the end of session.
b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? A confidential written feedback is taken from the students of the entire course offered about the overall performance of teachers.
c) alumni and employers on the programs offered and how does the department utilize the feedback? Department organize the alumni meet , Parent teacher meet regularly , and takes feedback from the alumni and parents about the progress of the department regarding the courses, research activity etc.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Alumni	Course	Batch	Current Position
1.	K.N Gajpal	M.Ed	2006-07	Head of Dept. (Edu.) Pragati college Raipur
2.	Sarita bala	M.Ed	2006-07	Lecturer, Govt. School, Abhanpur
3	Sunil Dikshit	M.Ed	2007-08	Dy. Registrar Program C.V. Raman Uni. Bilaspur
4	Laksmi Sonekar	M.Ed	2007-08	Asst. Program Vivekanand college Raipur
5	Rashmi Patel	M.Ed	2007-08	Head of Dept. (Edu.) Vivekanand college Raipur
6	Richa Sao	M.Ed	2008-09	Asst. Program (Education) Disha College Raipur
7	Jyoti Tiwari	B.Ed	2008-09	Lecturer Govt School Kochwahi
8	Mukesh puri Goswami	M.Ed	2009-10	BEO (CG)
9	Mukesh Patel	M.Ed	2010-11	S.I (CG)
10	Awantika Jha	B.Ed	2012-13	Anchor, Aakashwani Raipur

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts.

S. No.	Organized	Participated/Attended	Source of funding
1	Matdata Jagrukta Raily	2014	State Recourse Centre
2	National Education Day	2013	A.T. Dabke

Conferences & Workshops: 2010-2015**Invited lectures 2010-2015:**

Invited Speaker	Year
Mahendra Mishra SCERT Raipur	2013
Tuhin Dey State Resource Centre Raipur	2013
D.N. Sansanwal Indore	2014
Shreeram Agrawal vivekanand aashram Raipur	2014
Sonam State Resource Centre Raipur	2015
Patanjali Mishra State Resource Centre Raipur	2015

45. List the teaching methods adopted by the faculty for different program

- Instruction paradigm
- Learning paradigm
- Lab work
- Field Work
- Rubrics
- ICT

The faculty use modern teaching approaches to enhance teaching. In addition to that chalk and talk method of lecture is also used.

- Interactive method: Seminars/ Class presentations and Group discussions

- Computer assisted learning: All classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations by the faculty members.
Broad band internet facility is available which encourages the faculty to fit with computer assisted learning. Faculty members have well developed collection of e-content to facilitate knowledge flow & PG classroom for effective teaching
46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
Staff Council	Monthly meeting and interaction
Feedback	Feedback analyzed and discussed in Staff Council meeting
Attendance	Monitored twice in the semester
Internal Assessment	Continues evaluation by class test and presentation

47. Highlight the participation of students and faculty in extension activities.
- Plantation
 - Matdata jagrukta rally
 - Education Day
 - Pradhan Mantri Suraksha Beema Yojana
48. Give details of “beyond syllabus scholarly activities” of the department.
- Organisation of student seminars
49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.
- Yes, by NCTE
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- None
51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Offering job oriented professional programs at UG and PG levels
- Playing leadership role amongst the affiliated education institutions

Weaknesses

- Lack of manpower and infrastructure
- Limited e-resources and ICT applications

Opportunities

- Vibrant centre for research in field of education
- Center for excellence in the field of education

Challenges

- Good publication in reputed journals
- Resource mobilization

52. Future plans of the department.
- Effective collaboration with regional, national and international institutions of education
 - To start new courses on M.A. and M. Phil
 - To establish Research Center

Evaluative Report of the Department

1. Name of the Department: Centre for Women's Studies
2. Year of establishment: 2001
3. Is the Department part of a School/Faculty of the university – A University Teaching Department (Faculty of Social Science)
4. Names of programs offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)

S. No.	Name of the Program	Level	Subject	Year of Initiation
1.	Certificate Course	Six Months	Women Law and Gender Justice	2014

5. Interdisciplinary programs and departments involved

Program: Certificate Course

Department involved: Law, History, Economic, Psychology

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

7. Details of programs discontinued, if any, with reasons

Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Six Months Certificate Course

9. Participation of the department in the courses offered by other departments

Nil

10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Assistant Professors/Others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Director & Reader	01	-	-
Associate Director	0	-	-
Lecturer	1	0	
Research Associate	1	0	

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./ M.Phil. students guided in the last 5 Years	
					Ph.D.	M.Phil.
R Venugopal	Ph.D.	Director	Exercise Physiology	25	-	-
P Srivastava	Ph.D.	Associate Director,	Health Psychology	25	-	-
A Poddar	Ph.D.	Associate Director	Parasitology & Immunology	30	-	-

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors.

Nil

13. Percentage of classes taken by temporary faculty – programme-wise information

Session	Certificate Course
2014-2015	80
2015-2016	80

14. Programme-wise Student Teacher Ratio

Session	Certificate Course
2014-2015	6.3:1
2015-2016	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Support Staff (Technical Staff)	-	-	-
Administrative Staff	4	3 (Contract base)	3

16. Research thrust areas as recognized by major funding agencies

Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

PI/ Co-PI	Funding agency	Title of the Project	Year	Amount (INR in Lac)
<i>Ongoing projects</i>				
R Venugopal/ P Shrivastava	In House	Base line survey on physical and Psychological health related issues in adolescent female	2013-2015	0.55
<i>Projects Proposal Submitted</i>				
R Venugopal	CCOST, Raipur	Prevalence of Hypokinetic Problems among Women of different Professions in relation to Life Style and Activity Level	2015	5.00
R Venugopal	CGSCW	A Study of Crime Against Women in Chhattisgarh	2015	5.22
P Shrivastava	CGSCW	A Study of Security of Women at Workplace in Unorganized Sectors	2015	5.22
P Suresh	CGSCW	Effect of Women Reservation in Women Empowerment	2015	5.22
M Chakravarty	CGSCW	Increasing Rate of Female Human Trafficking in Chhattisgarh	2015	5.22

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration -

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Nil

20. Research facility/ centre with:

a) state recognition	-
b) national recognition	-
c) international recognition	-

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications

Parameter	Number	Average
o Number of papers published in peer reviewed journals (national / international)	-	-
o Monographs	-	-
o Chapters in Books	-	-
o Edited Books	-	-
o Books with ISBN with details of publishers	-	-
News Letter –I, II issue of News Letter was Published	2	-

23. Details of patents and income generated

Nil

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions/ industries in India and abroad

Nil

26. Faculty serving in

- National committees
- International committees
- Editorial Boards –
- any other (please specify)

R Venugopal**National committees**

Member

- Selection Committee for Assistant/Associate Professor and Professor in Physical Education Gurughasi Das Central University, Bilaspur (CG)
- Selection Committee for Assistant/Associate Professor and Professor in Physical Education Viswa Bharti, Shantiniketan, West Bengal
- Selection Committee for Sports Officer, PSC, CG
- Selection Committee for Sports Officer Indira Gandhi Agriculture University, Raipur. CG

Editorial Board

- Associate Editor, International Journal of Sports Science and Fitness

Any other

Members in Professional Body

- Director, Centre for Womens' Studies
- Member Board of Studies in Physical Education, Pt. RSU Raipur
- Member Board of Studies in Physical Education, D.B. Govt. P.G. College, Pt. RSU Raipur
- Member Research Committee Physical Education, Guru Ghasi Das Central University, Bilaspur
- VC Nominee, Examination Committee
- Member Sports Committee, Department of Sports Pt. RSU, Raipur

P Sirvastava**Any other**

Members in Professional Body

1. Involved in Interdisciplinary Researches, specifically in the field of Education and Physical Education, regional studies as guide and Co-Guide
2. Registered Guide in Sunder Lal Sharma Open University.
3. Academic Counsellor in IGNOU
4. Indian Academy of Applied Psychology (IAAP)
5. Life member Community Psychology
6. Resource person Rajiv Gandhi Shiksha mission Raipur

A Podder**Editorial Boards**

- Technical Editor, Pakistan Journal of Biological Sciences, Science Alert, New York, USA
- Technical Editor, Journal of Fisheries and Aquatic Sciences, Science Alert, New York, USA
- Technical Editor, Research Journal in Parasitology, Science Alert, New York, USA
- Technical Editor, Research Journal of Environmental Sciences, Science Alert, New York, USA
- Technical Editor, Asian Journal of Biological Sciences, Science Alert, New York, USA
- Editor in Chief, MYNA (A biannual Wall Magazine of the SoS in Life Science, a pioneer effort in the university)

Any other

Members in Professional Body

- Professor of Life Science
- Associate Director, Center for Women Studies
- In-Charge, Feedback Cell

27. Faculty recharging strategies (UGC, ASC, Refresher/ orientation programs, workshops, training programs and similar programs).

Faculty	Name of the Program	Date & Year
R Venugopal	Short Term Course "Yoga for women" in collaboration with Academic Staff College, Pt. RSU	Aug. 03 to 09 2014
R Venugopal	Short Term Course "Research Methodology" in collaboration with Academic Staff College, Pt. RSU	Nov 13 to 19, 2014

28. Student projects

Certificate Course "Women Law and Gender Justice: 100% in house

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

National Conferences

	Program	Source of funding	Outstanding participants
Conference	National Conference on "Role of Women in National Development in the new Millennium" in collaboration with Shakti (NGO)" was organized from 10-12 Jan.	CCOST and UGC	First Lady Sushmita Dutt, Padamshri Vijay Bhatkar, Madhu Kishwar,

	2013		Purnima Kelkar, Padamshri Santosh Yadav, Padamshri Phoolbasan Bai Yadav, Sushri Lata Usendi, M.M. Hambarde, Padma Shri Shamshad Begum
Symposium	National Symposium On Women As Leaders: Roles, Issues And Concerns was organized on 5-7 th feb, 2014	CWS, PRSU	Padmashree Ravi Chaturvedi, Er. Anupama Hoskere, Anita Jagota, Kiranmayee Nayak, Madhu V, Jaya Indiresan, Geeta Tai Gunde, Manjula Chaudhary
Workshop	Gender sensitization programme was organized for teachers, Girls and public in general. 5th to 6th July, 2013	CWS, PRSU	Asha Shukla, Sunanda Dhenge
Workshop	Short Term Course "Yoga for women" in collaboration with Academic Staff College, Pt. RSU was organized from 03 to 09 Aug. 2014	UGC	Jasraj Singh, Satya Prakash Pathak, Pardeep Kumar
Workshop	Short Term Course "Research Methodology" in collaboration with Academic Staff College, Pt. RSU from 13 to 19 Nov. 2014	UGC	Sanjay Tiwari, Gyan Prakash Singh, N.S. Sahu

State Conferences

	Program	Source of funding	Outstanding participants
Seminar	One Day Seminar on Women & Health : Issues & Challenges, 8 March 2011	CWS, PRSU	Indu Capoor, First Lady Sushmita Dutt, Nalani Mishra, Yasmin Singh, Abha Singh
Seminar	One Day Seminar on "Legal Rights of Women" to celebrate the Women's International Day 8 March 2012	CWS, PRSU	Vibha Rao, Meenakshi Gondaley, Sushma Sawant, L.S. Nigam
Workshop	Self defense for women (Martial Art Demonstration)	CWS, PRSU	Rajeev Choudhary
Workshop	Workshop on Nadi Vigyan for Pain Relief	CWS, PRSU	L.N. Joshi
Workshop	An Intervention Programme for Health and Fitness of women through Yoga and exercise Phase – I. (04-12- 2013 to 13-12- 2013)	CWS, PRSU	Rajeev Choudhary
Workshop	An Intervention program for hypokinetic diseases of women by Yoga and exercise phase II. (29.03.2014 to 28.04.2014)	CWS, PRSU	Rajeev Choudhary

Workshop	One Day Workshop on "Role of youths in ending violence against women and girls" collaboration with OXFAM, NGO was organized on 25.11.2014	CWS, PRSU	Sofia Khan
Workshop	Workshop collaboration with Women Commission Chhattisgarh on "Gender Sensitization and Gender Equality" and Poem & Essay Competition, 29 and 30 Jan., 2015	CGSCW and CWS, PRSU	Neha Champawat AIG Harshita Pandey, Member, Asha Jain, Vinaya Agnihotri, Kiranmayee Nayak,

31. Code of ethics for research followed by the departments

- Human Ethics Committee (IEC)
- Plagiarism Cell

32. Student profile program-wise: Certificate Course was started in CWS in 2014-20 – Students admitted in the course

Name of the Program [Refer to Question # 4]	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
Certificate Course					
2014-2015	25	8	12	-	-
2015-2016	17	2	13		

33. Diversity of students

Name of the Program [Refer to Question # 4]	Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Certificate Course	2014-15	79%	5.2%	15.7%	00
Certificate Course	2015-16	86.6%	13.3%	00	00

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed	Nil
<input type="checkbox"/> Campus selection	Nil
<input type="checkbox"/> Other than campus recruitment	Nil
Entrepreneurs	Nil

36. Diversity of Staff

Percentage of faculty who are graduates	
universities outside the country	Nil
of the same university	100%
from other universities within the State	Nil
from universities from other States	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Internet facilities for staff and students	Yes
b) Total number of class rooms	01
c) Class rooms with ICT facility	-
d) Students' laboratories	-
e) Research laboratories	-

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university	
b) from other institutions/universities	

Nil

40. Number of post graduate students getting financial assistance from the university.

NA

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The CWS entered in phase II in 2012-13, and The certificate course was started on Women Law and Gender Justice in 2014-15

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?	Yes, to prepare syllabus
b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?	The feedback collected from student , will be used to enhance quality of teaching and learning process,
c) Alumni and employers on the programs offered and how does the department utilize the feedback?	-

43. List the distinguished alumni of the department (maximum 10)

Nil

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Conference ,Workshop & Seminar: 2010-2015

Invited Lectures 2010-2015

Invited Speaker

1. Abha Singh, Head Department of Gynaecology, J. N. Medical College, Raipur
2. Indu Capoor, a Nutrition and founder Director of Centre for Health Education, Training and Nutrition Awareness (CHETNA), Ahmadabad
3. Sushri Lata Usendi, Women's and Child Development Minister
4. M.M. Hambarde, D.G. CCOST
5. Vibha Rao, Chair Person, State Women Commission Chhattisgarh
6. Nandita Pathak, Director Dindayal Research Institute, Chitrakut
7. Padamshri Vijay Bhatkar National President, Vigyan Bharati
8. Madhu Kishwar, Social Activist
9. Purnima Kelkar, Asst. Professor Sanskrit Dept. Indra Kala Sangeet Univesity, Khairagarh
10. Padamshri Santosh Yadav (First and the only women to scale Mount Everest twice)
11. Padamshri Phoolbasan Bai Yadav, Social Worker Chhattisgarh
12. Asha Shukla, Director, Center For Women's Studies, Barkatullah University, Bhopal
13. Sunanda Dhenge, Forensic Science Expert, Raipur (C.G.)

14. Archana Jha (SP), Raipur
15. L.N. Joshi, Head, Yoga Department, Sanskrit University Haridwar
16. Jaya Indiresan, Member, National Consultative Committee, UGC Program on Capacity Building of Women Managers in Higher Education.
17. Sunetra Giridhar, Professor, Indian Institute of Astrophysics, Bangalore –Women astronauts
18. Madhu V., Faculty of Management, University of Delhi- Women in Management
19. Anita Jagota, Assoc. Professor, Neurobiology and Molecular Chronobiology Laboratory, Department of Animal Sciences, School of Life Sciences, University of Hyderabad.-Effect of Social and Environmental factors influencing Aging and Sleep disorders in women
20. Kiranmayee Nayak, Honorable Mayor , Raipur
21. Padmashree Ravi Chaturvedi, Academician and Pioneer Hindi Cricket Commentator, New Delhi- Women and sports
22. Er. Anupama Hoskere, Director, Dhaatu Puppet theatre, Bangalore-A Perspective of Women of Strength of Ancient India
23. Geeta Tai Gunde, National president of Mahila Samanvaya, BJP-Women leadership in Education
24. Manjula Chaudhary, Director, Indian Institute of Tourism Management, Gwalior (MP)
25. Sofia Khan, Founder Director of the NGO ‘Safar’
26. Sanjay Tiwari Associate Professor UGC, ASC, BHU
27. Neha Champawat AIG (CID)
28. Harshita Pandey, Member, State Women Commission
29. Asha Jain, Gynecologist, Raipur
30. Vinaya Agnihotri, Gynecologist, Raipur
31. Kiranmayee Nayak, ex-Mayor of Raipur Municipal

45. List the teaching methods adopted by the faculty for different program

1. Class Room Teaching
2. Power Point Presentation (LCD).
3. Class room discussion
4. ICT is used for teaching.
5. Study materials are circulated among the student.
6. Field Work

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Strategy	Methodology
Staff Council	Monthly meeting and interaction
Feedback	Feedback analyzed and discussed in Staff Council meeting
Internal Assessment	Continues evaluation by project seminar presentation

47. Highlight the participation of students and faculty in extension activities.

S. No.	Public Outreach Program	Date	Source of Funding	Outstanding Participants
01	Gender sensitization programme was organized for teacher, Girls and or public in general. 5th to 6th July, 2013	5th to 6th July, 2013	CWS, Pt. R.S.U	Sunanda Dhenge, Asha Shukla
02	An Intervention programme for Health and Fitness of women through Yoga and exercise Phase – I. (04-12-2013 to 13-12- 2013)	04-12-2013 to 13-12- 2013	CWS, Pt. R.S.U	Rajeev Choudhary
03	Self defense for women (Martial Art Demonstration)	6 feb, 2014	CWS, Pt. R.S.U	Rajeev Choudhary

04	An Intervention program for hypokinetic diseases of women by Yoga and exercise phase II. (29.03.2014 to 28.04.2014)	29.03.2014 to 28.04.2014	CWS, Pt. R.S.U	Rajeev Choudhary
05	One Day Workshop on "Role of youths in ending violence against women and girls" collaboration with OXFAM, NGO was organized on 25.11.2014	25.11.2014	CWS, Pt. R.S.U	Sofia Khan
06	In collaboration of Women Commission Chhattisgarh Workshop on "Gender Sensitization and Gender Equality" and Poem& Essay Competition were organized on 29 and 30 Jan., 2015	29 and 30 Jan., 2015	CGSCW and CWS	Sushri Lata Usendi Neha Champawat AIG Harshita Pandey, Asha Jain, Kiranmayee Nayak,
07	International Women's Day Awareness Programme on "Health, Sanitation and Law" was Organize	8 March 2015	CWS, Pt. R.S.U	Mitashree Mitra Vinaya Agnihotri, Shri Bhupendra Karvend

48. Give details of "beyond syllabus scholarly activities" of the department.

Centre organized programs, such as International Women Day, Seminars and workshop of the students is different aspects. Apart from course teaching, we organized lectures of eminent from the institution of National/ International repute

- Organisation of student seminars
- Yoga Training program
- Research Methodology Program

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

There is no provision of accreditation for individual program/department.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Workshop/ Conference/ Seminar are organised regularly in various topics as Research Methodology, Yoga, women right and legal protection, Personality development, Self management, Self defense of women, etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Only CWS centre in Chhattisgarh
2. Center is effectively carrying out women empowerment and gender sensitization activities

Weaknesses

1. Lack of infrastructure

2. No full time course

Opportunities

1. Interdisciplinary research and collaborative work with various agencies and NGO
2. Sensitization and empowerment of girls & women
3. Documentation of studies related to Women

Challenges

1. To upgrade the centre as SoS
2. Effective research and outreach activities in the field of women studies

52. **Future plans of the department.**

- To start full time degree programs
- Promotion of research through external fundings
- Strengthening of awareness programs for social consciousness on women related issues

डॉ. शिवकुमार पाण्डेय

कुलपति

Dr. S.K.Pandey
Vice-chancellor



पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.), भारत

Pt. Ravishankar Shukla University, Raipur (C.G.), INDIA

Office : +91-771-2262857, Fax : +91-771-2263439

E-mail : vc_raipur@prsu.org.in

Website : www.prsu.ac.in

स्वर्ण जयंती वर्ष Golden Jubilee Year 2013-14

Statement of Compliance

This is to certify that **Pt. Ravishankar Shukla University** has complied with all the provisions of the following Regulations governing it:

- * UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- * UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil./ Ph.D. Degree, Regulations 2009 and further amendments, if any, notified by the UGC.
- * UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Date : December 09, 2015

Vice Chancellor
Pt. Ravishankar Shukla University
RAIPUR (C.G.)

Glossary of Abbreviations

A & A	Astronomy & Astrophysics	APTI	Association of Pharmaceutical Teachers of India
A.P./AP	Assistant Professor	APTICON	Annual National Convention of Association of Pharmaceutical Teachers of India
AAIR	American Association of International Researchers	AQAR	Annual Quality Assurance Report
AAS	Atomic Absorption Spectroscopy	ARIES	Aryabhata Research Institute of Observational Sciences
AASP	Asian Association of Schools of Pharmacy	ARS	Agricultural Research Service
AC	Alternating Current	ARTBC	International Association for Research on Time in Biology and Chronotherapy
ACAD	Academics	ASC	Academic Staff College
Acad.	Academy	ASI	Archaeological Survey of India
ACC	The Associated Cement Companies	ASI	Astronomical Society of India
ADPO	Assistant District Public Prosecution Officer	ASI	Acoustical Society of India
AF	Adjunct Faculty	Asst. Prof/ Asstt Prof	Assistant Professor
AICTE	All India Council for Technical Education	Asstt.	Assistant
AIDS	Acquired Immune Deficiency Syndrome	Asstt. Libn.	Assistant Librarian
AIG	Assistant Inspector General	ATIM	Ashoka Institute of Technology
AIHC & Arch./ AIHCA	Ancient Indian History, Culture and Archaeology	AV	Audio-Visual
AIIMS	All India Institute of Medical Sciences	AYUSH	Ayurveda, Yoga, Unani, Siddha, Homeopathy
AIR	All India Rank	B. Lib.	Bachelor of Library Science
AIRCC	Academy & Industry Research Collaboration Center	B. Lib., I. Sc.	Bachelor of Library and Information Science
AIU	Association of Indian Universities	B. Pharm.	Bachelor of Pharmacy
AMC	Applied Mathematics and Computation	B.A. Hon.	Bachelor of Arts with Honors
AMIETE	Associate Member of Institutions Electronics and Telecommunication Engineers	B.A.LL.B./ BALLB	Bachelors of Arts and Bachelors of Law
AMME	Advances in Manufacturing and Materials Engineering	B.Ed.	Bachelor of Education
AMU	Aligarh Muslim University	B.P.Ed.	Bachelor of Physical Education
ANM	Auxiliary Nursing Midwifery	B.Voc./ BVoc	Bachelor of Vocational Studies
ANO	Associate National Cadet Corps Officer	BAMU	Dr. Babasaheb Ambedkar Marathwada University
AnSI/ An. S.I.	Anthropological Survey of India	BARC	Bhabha Atomic Research Centre
Anth.	Anthropology	BCCMS	Bremen Center for Computational Materials Science
AODV	Ad hoc On-Demand Distance Vector Routing	BCI	Bar Council of India
AOMDV	Ad-hoc On-Demand Multipath Distance Vector Routing	BCS	Biopharmaceutics Classification System
AOS	Active Oxygen Species	BE	Bachelor of Engineering
APEB	Academic Planning and Evaluation Board	BEE	Bureau of Energy Efficiency
APS University/ APSU	Awadhesh Pratap Singh University	BEO	Block Education Officer
APSGMNS	Acharya Panth Shri Grindh Muni Naam Saheb	BHU	Banaras Hindu University
APSIPA	Asia Pacific Signal and Information Processing Association	BIOCOS	BIOsphere and the COSmos
APSIPAASC	Asia Pacific Signal and Information Processing Association Annual Summit and Conference	BIO-INFOPubl.	BIO-INFO Publications
		BIT	Bhilai Institute of Technology
		BITS	Birla Institute of Technology & Science
		BJP	Bhartiya Janta Party
		BoS/BOS	Board of Studies

BRGF	Backward Regions Grant Fund
BRNS	Board of Research in Nuclear Sciences
BSNL	Bharat Sanchar Nigam Limited
BSR	Basic Scientific Research
BSR-SAP	Basic Science Research-Special Assistance Programme
BVAAP	Bharatiya Vaigyanik Evam Audyogik Anusandhan Patrika
C.G.P.S.C/CGPSC	Chhattisgarh Public Service Commission
C.G./CG	Chhattisgarh
C.S.V. Tech. University/CSVTU	Chhattisgarh Swami Vivekananda Technical University
C.W.S./CWS	Centre for Women Studies
CA	Chartered Accountant
CAN	Campus Area Network
CAS	Carrier Advancements Scheme
CBCS	Choice Based Credit System
CBDA	Chhattisgarh Biofuel Development Authority
CBR	Constant Bit Rate
CBS	Center for Basic Sciences
CBSE	Central Board of Secondary Education
CCIS	Communications in Computer and Information Science
CCIT	Central College of Information Technology
CCOST/CGCOST	Chhattisgarh Council of Science and Technology
CCOST-MRP	CCOST-Minor Research Project
CCTV	Closed-Circuit Television
C-DAC	Centre for Development of Advanced Computing
CDC	College Development Council
CDRI	Central Drug Research Institute
CEO	Chief Executive Officer
CET	Combined Entrance Test
CG SET	Chhattisgarh State Eligibility Test
CGPA	Cumulative Grade Points Average
CGPSC	Chhattisgarh Public Service Commission
CGSCW	Chhattisgarh State Commission for Women
CGSET	Chhattisgarh State Eligibility Test
CGVYAPAM	Chhattisgarh Vyasayik Pariksha Mandal
CGWB	Central Ground Water Board
CGWC	Chhattisgarh State Women's Council
ChiPS/	Chhattisgarh InfoTech &

CHiPS/CHIPS	Biotech Promotion Society
CIES	Council for International Exchange of Scholars
CIJHAR	Central India Journal of Historical and Archaeological Research
CIL/ CIIL	Central Institute of Indian Languages
CISF	Central Industrial Security Force
Col.	College
Co-PI	Co-Principal Investigator
CPCSEA	Committee for the Purpose of Control and Supervision of Experiments on Animals
CPWD	Central Public Works Department
CRC	Chemical Rubber Company
CREDA	Chhattisgarh Renewable Energy Development Agency
CRISP	Center for Research and Industrial Staff Performance
CRO	Cathode-Ray Oscilloscope/Contract Research Organization
CRS	Controlled Release Society
CRSI-RSC	Chemical Research Society of India- Royal Society of Chemistry
CS	Computer Science
CSEB	Chhattisgarh State Electricity Board
CSI	Cognitive Science Research Initiative
CSIR	Council of Scientific and Industrial Research
CTAB	Cetyl Trimethyl Ammonium Bromide
CTRD	Council For Tribal And Rural Development
CUDA	Compute Unified Device Architecture
CW	Central Workshop
D. Litt./ D.litt./ Dlit	Doctor of Letters
D.C. PGRI	Deccan College Post Graduate and Research Institute
D.G.	Directorate General
D.S.P.	Deputy Superintendent of Police
D.Sc./DSc	Doctor of Science
D.U.	University of Delhi
DAE	Department of Atomic Energy
DAV	Devi Ahilya Vishwavidyalaya
DBT	Department of Biotechnology
DCDC	Director, College Development Council
DELNET	Developing Library Network
Deppt/Dept./Deptt.	Department
DGM	Deputy General Manager
DGSI	Deccan Geographical Society India

DHCP	Dynamic Host Configuration Protocol
DIO	District Informatics Officer
Dir. of Cult.& Arch.	Directorate of Culture and Archaeology
Dist.	District
DLP	Discrete Logarithm Problem
DNA	Deoxyribonucleic Acid
DOI/ Doi	Digital Object Identifier
DPE	Department of Public Enterprises
DRC	Departmental Research Committee
DRDE	Defense Research & Development Establishment
DRDO	Defense Research and Development Organization
DRI	Desert Research Institute
DRS	Departmental Research Support
DRS-SAP	Departmental Research Support – Special Assistance Program
DSP	Deputy Superintendent of Police
DSR	Dynamic Source Routing
DST	Department of Science & Technology
DST-SERB	Department of Science & Technology-Science and Engineering Research Board
DTE	Directorate of Technical Education
EBSCO	Elton Bryson Stephens Company
EC	Executive Council
ECDLP	Elliptic Curve Discrete Logarithm Problem
Ed/ Eds/eds.	Editor/s
ED	Executive Director
ed./Ed.	Edition
Edn./ Edu.	Education
EDUSAT	Educational Satellite
EISSN	Electronic International Standard Serial Number
EJEST	Emerging Journal on Engineering, Science and Technology
EJEST	Emerging Journal on Engineering, Science and Technology
EMCA	Engineering Magazine for Research Article
EMR	Extra Mural Research
EP	Emeritus Professors
EPEL	The École polytechnique fédérale de Lausanne
EUREGEO	EUropean Congress on REgional GEOscientific Cartography and Information Systems
EVPR	Executive Vice President for Research
F & D	Formulation and Development

FC	Finance Controller
FDA	Food and Drug Administration
FDI	Foreign Direct Investment
FES	Fellow of Ethnobotanist Society
FIP	International Pharmaceutical Federation
FIST	Fund for Improvement of S&T Infrastructure
FM University	Fakir Mohan University
FMS	Faculty of Management Studies
FNASc	Fellow of the National Academy of Sciences
For. Sci./ Foren. Sci	Forensic Science
FRIM	Forest Research Institute Malaysia
FTIR	Fourier Transform Infrared Spectroscopy
FYP	Five Year Plan
FZS	Fellow of the Zoological Society
GAD	General Administration Department
GAG	Geographers' Association Goa
GalN/LPS	Galactosamine/ Lipopolysaccharide
GATE	Graduate Aptitude Test in Engineering
GB	Giga Byte
GBPS	Gigabyte Per Second
GCMS	Gas Chromatography Mass Spectrometry
GC-MS/MS	Gas Chromatography coupled to Tandem Mass Spectrometry
Gen. Adm./ Gen.ADM.	General Administration
Gen/GEN	General
GERT	Graphical Evaluation and Review Techniques
GGU	Guru Ghasidas University (Vishwavidyalaya)
GIS	Geographical Information System
GM	General Manager
GNDU	Guru Nanak Dev University
GNIOT	Greater Noida Institute Of Technology
GOI	Government of India
Govt./ Govt	Government
GPAT	Graduate Pharmacy Aptitude Test
GSI	Geological Survey of India
HEI	Higher Education Institution
h-index	Hirsch index
HIV	Human Immunodeficiency Virus
HNB	Hemwati Nandan Bahuguna
HOD/ H.O.D./ HoD	Head of Department
HP	Himachal Pradesh

HPL	Havells Private Limited
HPLC	High Performance Liquid Chromatography
HPMC	Hydroxyl-Propyl-Methyl-Cellulose
HPTLC	High Performance Thin Layer Chromatography
HQ	Head Quarter
HR	Human Resource
HRD	Human Resource Development
HRDC	Human Resources Development Council
HRI	Harish-Chandra Research Institute
HSGU	Dr. Hari Singh Gour University
HSS	Harishankar Shukla Smirti
I.C.H.R.	Indian Council of Historical Research
I.I.T.	Indian Institutes of Technology
I.S.I.	Indian Statistical Institute
I/C	In-charge
IAAP	Indian Academy of Applied Psychology
IACSIT	International Association of Computer Science and Information Technology
IAO	International Accreditation organization
IAS	Indian Administrative Service
IASLIC	Indian Association of Special Libraries and Information Centres
IASRI	Indian Agricultural Statistics Research Institute
IASTA	Indian Aerosol Science and Technology Association
IBM	International Business Machines
ICAR	Indian Council of Agricultural Research
ICBPEM	International Conference on Business Paradigms in Emerging Markets
ICC	International Congress on Chronobiology
ICCE	International Congress of Chemistry and Environment
ICCT	International Council of Clean Transportation
ICHR	Indian Council of Historical Research
ICL	International Conference on Luminance
ICMR	Indian Council of Medical Research
ICS	Indian Chemical Society
ICSSR	Indian Council of Social Science Research
ICT	Information and Communications Technology
ICWRER	International Conference on

	Water Resources and Environment Research
ID	Identity
IDP	Institutional Development Plan
IEC	Institutional Ethical Committee
IEEE	Institute of Electrical and Electronics Engineers
IF	Impact Factor
IFS	Indian Forest Service
IFS	Indian Foreign Service
IGIPSS	Indira Gandhi Institute of Physical Education & Sports Sciences
IGKV/ IGKVV	Indira Gandhi KrishiVishvavidyalaya
IGNOU	Indira Gandhi National Open University
IGRMS	Indira Gandhi Rashtriya Manav Sangrahalaya
IGU	International Geographical Union
IHD	Institute for Human Development
IIA	Indian Institute of Astrophysics
IICT	Indian Institute of Chemical Technology
IIFS	India International Friendship Society
IIG	Indian Institute of Geomagnetism
IIIT	Indian Institute of Information Technology
IIM	Indian Institute of Management
IIRS	Indian Institute of Remote Sensing
IISc	Indian Institute of Science
IISER	Indian Institute of Science and Education Research
IIT	Indian Institutes of Technology
IITM	Institute of Information Technology & Management
IJASS	International Journal of Agricultural and Statistical Sciences
IJASS	International Journal of Asian Social Science
IJASS	International Journal of Agricultural and Statistical Sciences
IJCET	International Journal of Computer Engineering and Technology
IJCETI	International Journal on Computer Engineering and Information Technology
IJCSES	International Journal of Computer Science Engineering Survey

IJCSET	International Journal of Computer Science Engineering and Technology
IJERT	International Journal of Engineering Research & Technology
IJETP	International Journal of Engineering and Technological Project
IJFSRS	International Journal of Fuzzy System and Rough System
IJH	Indian Journal of Humanities
IJMEES	Indian Journal of Movement Education and Exercise Science
IJMESS	International Journal of Movement Education and Sports Sciences
IJPER	Indian Journal of Pharmaceutical Education and Research
IJPEYS	Indian Journal of Physical Education and Yogic Science
IJT	International Journal of Technology
IMR	Infant Mortality Rate
INCAA	Indian National Confederation and the Academy of Anthropologists
INFLIBNET	Information and Library Network
INFONET	Information Network
INR	Indian Rupee
INSA	Indian National Science Academy
INSAF	Indian Social Action Forum
INSPIRE	Innovation in Science Pursuit for Inspired Research
Int.	International
INTACH	Indian National Trust for Art and Cultural Heritage
INUP	Indian Nanoelectronics Users Program
IOSR	International Organization of Scientific Research
IPA	Indian Pharmaceutical Association
IPC	Indian Pharmaceutical Congress
IPCA	Indian Pharmaceutical Congress Association
IPN	Interpenetrating Polymer Network
IPP	Impact Per Publication
IPR	Intellectual Property Rights
IPS	Institute of Professional Studies
IQAC	Internal Quality Assurance Cell
IR	Infrared
IRC	IUCAA Resource Centre
IRPHA	Intensification of Research in High Priority Areas
IRS	Indian Revenue Service

ISBN	International Standard Book Number
ISC	Indian Institute of Science
ISCA	International Science Congress Association
ISCA YS	International Sciences Congress Association Young Scientist
ISID	Institute for Studies in Industrial Development
ISID- PHFI	Institute for Studies in Industrial Development- Public Health Foundation of India
ISM	Indian School of Mines
ISMDR	Indian Society for Management Development & Research
ISO	International Organization for Standardization
ISP	Indian Society of Pharmacognosy
ISPQS	Indian Society for Prehistoric Research & Quaternary Studies
ISPRS	International Society for Photogrammetry and Remote Sensing
ISRO	Indian Space Research Organization
ISS	International Space Station
ISS	Indian Sociology Society
ISSN	International Standard Serial Number
ISTE	Indian Society For Technical Education
IT	Information Technology
ITM	Institute of Technology and Management
IUCAA	Inter-University Centre for Astronomy and Astrophysics
IWAMA	International Workshop on Advanced Material Science and Astrophysics
J.N.M.	Jawaharlal Nehru Memorial
JECRC	Jaipur Engineering College and Research Centre
JEE	Joint Entrance Exam
JEST	Joint Entrance Screening Test
J-Gate CCC/ JCCC	J-Gate Custom Content for Consortia
JIF	Journal Impact Factor
JNCASR	Jawaharlal Nehru Centre for Advanced Scientific Research
JNKVV	Jawaharlal Nehru KrishiVishwaVidyalaya
JNU	Jawaharlal Nehru University
JNV	Jai NarainVyas University
JPEY	Journal of Physical Education and Yoga
JRF	Junior Research Fellowship
JSPS	Japan Society for the Promotion of Science

KIIT	Kalinga Institute of Industrial Technology
KISS	Kalinga Institute of Social Sciences
KITE	Kruti Institute of Technology & Engineering
KTJU	Kushabhau Thakre Patrakarita Avam Jansanchar University/ Vishwavidyalaya
KVA	Kilo-Volt-Ampere
KVC	Kendriya Vidyalaya Committee
Lab.	Laboratory
LAN	Local Area Network
LAP	Lambert Academic Publishing
LCD	Liquid-Crystal-Display
LDC	Lower Division Clerk
LED	Light-Emitting Diode
LL.M.	Master of Laws
LS	Lectureship
LTECST	Latest Trends in Electronics and Computational Science and Technology
M. A.	Master of Arts
M. Lib	Master of Library Science
M. Lib., I. Sc.	Master of Library and Information Science
M. Pharm.	Master of Pharmacy
M. Phil.	Master of Philosophy
M. Sc./ MSc	Master of Science
M. Tech.	Master of Technology
M.A./MA	Master of Arts
M.C.A./MCA	Masters of Computer Applications
M.Ed.	Master of Education
M.G.A.H.V./ MGAHV	Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya
M.P. P. S. C.	Madhya Pradesh Public Service Commission
M.P./MP	Madhya Pradesh
MP	Member of Parliament
M.P.Ed.	Master of Physical Education
M.Phil./ MPhil	Master of Philosophy
M.Sc.	Master of Science
M.Sc.(IT)	Master of Science in Information Technology
MAAS	Maharashtra Association of Anthropological Sciences
MAC	Medium Access Control
MANET	Mobile Ad hoc Network
MANF	Maulana Azad National Fellowship
MATLAB	Matrix Laboratory
MATS	Mahaveer Academy of Technology and Science
MBA	Master of Business Administration
MD	Doctor of Medicine
MD	Maharshi Dayanand
ME	Master of Engineering
MGM	Mahant Ghasidas Memorial
Mgmt.	Management
MH	Maharashtra

MHRD	Ministry for Human Resource Development
MI, USA	Michigan, USA
MLA	Member of Legislative Assembly
MNNIT	Motilal Nehru National Institute of Technology
MNREC	Motilal Nehru Regional Engineering College
Mob.	Mobile
MODROB	Modernization and Removal of Obsolescence
MOES	Ministry of Earth Sciences
MOU/ MoU	Memorandum Of Understanding
MPCOST	Madhya Pradesh Council of Science and Technology
MPPGA	Madhya Pradesh Pharmacy Graduates Association
MPS	Merit Promotion Scheme
MRP	Major Research Project/Minor Research Project
MS University	Maharaja Sayajirao University of Baroda
MSW	Master of Social Work
MTC	Management Teachers Consortium
MZS	Member of the Zoological Society
NA/N.A.	Not Applicable
NAAC	National Assessment and Accreditation Council
NABARD	National Bank for Agriculture and Rural Development
NAGI	National Association of Geographers of India
NASA	National Aeronautics and Space Administration
NASA EPSCoR	National Aeronautics and Space Administration Experimental Program to Stimulate Competitive Research
NASA ROSES	National Aeronautics and Space Administration Research Opportunities in Space and Earth Sciences
NATCOSEB-XVII	17 th National Conference on Surfactants, Emulsions & Biocolloids
NAWO	National Alliance of Women
NBA	National Board of Accreditation
NBHM	National Board for Higher Mathematics
NBRI	National Botanical Research Institute
NCC	National Cadet Corps
NCITMT	National Conference on Interaction between Traditional and Modern Technology

NCL	National Chemistry Laboratory
NCLA	National Conference on Luminescence and its Applications
NCNR	National Center for Natural Resources
NCPEs	Nano-Composite Polymer Electrolytes
NCTE	National Council for Teacher Education
NDDS	Novel Drug Delivery System
NEERI	National Environmental Engineering Research Institute
NERCORMP	North Eastern Region Community Resource Management Project
NET	National Eligibility Test
NFAA	Nonlinear Functional Analysis and its Applications
NGO	Non-Governmental Organization
NGRI	National Geophysical Research Institute
NIBG	National Institute of Biomedical Genomics
NIC	National Informatics Centre
NIE	National Institute of Education
NIE	National Institute of Ecology
NIH	National Institutes of Health
NIIT	National Institute of Information Technology
NIPER	National Institute of Pharmaceutical Education and Research
NISCAIR	National Institute of Science Communication and Information Resources
NISTAD	National Institute of Science, Technology and Development Studies
NIT	National Institute of Technology
NKH	National Knowledge Hub
NKN	National Knowledge Network
NLCs	Nanostructured Lipid Carriers
NMDC	National Mineral Development Corporation
NME	National Mission in Education
NME-ICT/ NMEICT	National Mission in Education through Information and Communications Technology
NMIMS	Narsee Monjee Institute of Management Studies
No.	Number
NPL	National Physical Laboratory
NPTEL	National Programme on Technology Enhanced Learning

NRDA	Naya Raipur Development Authority
NRDC	National Research Development Council
NRHM	The National Rural Health Mission
Ns2	Network Simulator 2
NSS	National Service Scheme
NTS	National Testing Service
NUMA	Non-Uniform Memory Access
NV, USA	Nevada, United States of America
NWASRDA	National Workshop on Advances in Statistics
OB	Outdoor Broadcasting
OBC/O.B.C.	Other Backward Class
OCP	Open Code Protocol
OFC	Optical Fiber Cable
OIC	Officer In Charge
OMP	Open Multi-Processing
OP	Orientation Program
OPAC	Online Public Access Catalog
OSD	Officer on Special Duty
OXFAM	Oxford Committee for Famine Relief
P&A	Personnel & Administration
P.G.D.T.H.M.	Post Graduate Diploma in Tourism and Hotel Management
P.U.	Panjab University
PBAS	Performance Based Appraisal System
PC	Personal Computer
PCA	Principal Component Analysis
PCAMS	Parallel Computing Architecture & Applications on Multi Core Processing Systems
PCI	Pharmacy Council of India
PCPNDT	Pre Conception, Pre Natal Diagnostic Technique
PCR	Polymerase Chain Reaction
PDF	Post Doctoral Fellowship
PERSIST	Journal of Physical Education, Recreation and Sports in Sciences and Technology
PG Dip./ PG Diploma	Post Graduate Diploma
PG/P.G.	Post Graduate
PGDYM	Post Graduate Diploma in Yoga and Meditation
PGDYN	Post Graduate Diploma in Yoga and Naturopathy
PGI	Post Graduate Institute
PGIBAMS	Post Graduate Institute of Behavioral & Medical Sciences
Ph. D./ PhD	Doctor of Philosophy
Phil.	Philosophy
PI	Principal investigator
PINSA	Proceedings of the Indian National Science Academy

PKC	Public-Key Cryptography
PLGA	Poly Lactic-co-Glycolic Acid
PMI	Project Management Institute
PMT	Pre-Medical Test
PNB	Punjab National Bank
POC	Public Outreach Centre
PPT	Power Point Presentation
PRL	Physical Research Laboratory
Prof	Professor
PRSU/ Pt. RS/ Pt. RSS/ Pt. RSU/ Pt. R. S. Univ./ Pt. R.S. Univ./ Pt. R.S.U./ RSU/ Pt. R.S.S.U.	Pandit Ravishankar Shukla University
PSC/P.S.C.	Public Service Commission
PTG	Primitive Tribal Group
PVA	Polyvinyl Alcohol
Pvt. Ltd	Private Limited
PVTG	Particularly Vulnerable Tribal Group
PWD	Public Works Department
QA	Quality Assurance
QoL	Quality of Life
QP	Question Paper
QSAR	Quantitative Structure–Activity Relationship
R&D	Research and Development
R.G.N.F./ RGNF	Rajiv Gandhi National Fellowship
RA	Research Associate
RAPD	Random Amplified Polymorphic DNA
RC	Refresher Course
RD University	Rani Durgavati University
RDC	Research Degree Committee
RDV	Rani Durgavati Vishwavidyalaya
Retd.	Retired
RFID	Radio-Frequency Identification
RIMS	Rourkela Institute of Technology
RJET	Research Journal of Engineering and Technology
RJHSS	Research Journal of Humanities and Social Sciences
RJST	Research Journal of Science and Technology
ROS	Reactive Oxygen Species
RPS	Research Promotion Scheme
RS & GIS	Remote Sensing and Geographical Information System
RSA	Royal Society of Astronomy
RSC	Royal Society of Chemistry
RSSA	Rastriya Sarva Siksha Abhiyan
RST	Religio-Symbolic Treatment
RSU	Pt. Ravishankar Shukla University
RSU-CAN	Pt. Ravishankar Shukla University Campus Area Network

RTE	Right To Education
RTI	Right To Information
RTM	Rashtrasant Tukadoji Maharaj Nagpur University
RUSA	Rashtriya Uchcharat Shiksha Abhiyan
S.D.M	Sub-Divisional Magistrate
SABIC	Saudi Arabia Basic Industries Corporation
SBI	State Bank of India
SBP	Systolic Blood Pressure
SC	Scheduled Castes
SCERT	State Council of Educational Research and Training
SCI	Science Citation Index
SCSTRTI	Scheduled Caste & Scheduled Tribe Research and Training Institute
SDME-DRS/ATR-FTIR	Single Drop Micro Extraction – Diffuse and Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy
SEBI	Securities and Exchange Board of India
SEC	Section
SERB	Science and Engineering Research Board
SET	State Eligibility Test
SFA	Society of France Acoustics
SHRC	State Health Resource centre
SI	Sub-Inspector
SIAM	Society for Industrial and Applied Mathematics
SIES	South Indian Education Society
SJR	SCImago Journal Rank
SNIP	Source Normalized Impact per Paper
SoS/ SOS//S.o.S.	School of Studies
SOSAA	Society of South Asian Archaeology
SOUL	Software for University Libraries
SP	Superintendent of Police
SPE	Solid Polymer Electrolyte
SPEAAS	Journal of Sports, Physical Education Allied and Alternate Science
SPF	Sun Protection Factor
SPSS	Statistical Package for the Social Sciences
Sr.	Senior
SRC	State Resource Centre
SRELS	Sarada Ranganathan Endowment for Library Science
SRF	Senior Research Fellow/ Fellowship
SRL	Scholars Research Library
SRME	Society for Research of Movement Education
SSC	Staff Selection Commission
SSCI	Social Sciences Citation Index

SSGMCE	Shri Sant Gajanan Maharaj College of Engineering
SSPL	Structural Solutions Private Limited
ST/S.T.	Scheduled Tribes
STC	Short Term Course
SVF	Senior Visiting Fellows
SVM	Swami Vivekanand Memorial
SVNIT	Sardar Vallabhbhai National Institute of Technology
SWOC	Strengths, Weaknesses, Opportunities and Challenges
T&D	Trading and Development
TCP	Transmission Control Protocol
TIFR	Tata Institute of Fundamental Research
TK	Traditional Knowledge
TLC	Thin Layer Chromatography
TIPIR&RD	Thakur Pyarelal Institute for Panchayati Raj and Rural Development
TWAS	Third World Academy of Science
U. S. A./USA	United States of America
U.P./UP	Uttar Pradesh
UAE	United Arab Emirates
UAV	Unmanned Aerial Vehicle
UCSC	University of California, Santa Cruz
UDC	Upper Division Clerk
UFM	Un Fair Means
UG	Under Graduate
UGC/U.G.C.	University Grants Commission
UGC-CAS	University Grants Commission-Centre of Advanced Study
UGC-MRP	UGC-Major Research Project
UGC-NET	University Grants Commission-National Eligibility Test
UGC-SAP	University Grants Commission-Special Assistance Program
UIOP	University Institute of Pharmacy
UK	United Kingdom
UKIERI	United Kingdom India Education and Research Initiative
UMA	Uniform Memory Access
UNESCO	United Nations Educational, Scientific and Cultural Organization
Univ.	University
UPS	Uninterrupted Power Supply
UPSC	Union Public Service Commission
UR	Unreserved
USEPA	United States Environmental Protection Agency

USIC	University Science Instrumentation Centre
USIEF	United State Education Funds
USIEF	United States-India Educational Foundation
UTD	University Teaching Department
UTM	Unified Threat Management
UV	Ultra Violet
VC	Vice-Chancellor
VLSI	Very-Large-Scale Integration
Vol/ Vol.	Volume
VP	Vice President
VU	Vrije Universiteit
VYAPAM	Chhattisgarh Professional Examination Board, Raipur
VYTPG	Vishwanath Yadav Tamaskar Autonomus Post Graduate College
W.B./ WB	West Bengal
WCD	Women and Child Development
WCEIT	World Congress of Emerging InfoTech
WEBOPAC	Web Based On-line Public Access Catalogue facility
WHO	World Health Organization
WiFi/Wi-Fi	Wireless Fidelity
WiMAX	Worldwide Interoperability for Microwave Access
WRIC	Western Regional Instrumentation Centre
WRM	Water Resource Management
WSN	Wireless Sensor Network