

FACILITIES

Infrastructure

Spacious Classrooms	06- Classrooms
ICT facilities	01- Permanent 01- Portable
Student's Laboratories	01- Student Lab 01- Student Lab cum Research Lab 01- Student Lab cum Class Room 01- Computer Lab
Research Laboratories	01- Student Lab cum research Lab
Internet Facilities	Whole campus is covered with Wi-fi facilities

Lab facilities of Department

- ◆ Analog and Digital Lab.
- ◆ Opto-Electronics and Microwave Lab.
- ◆ Analog and Digital Communication Lab.
- ◆ Microprocessor , Microcontroller & VLSI Design Kit Lab.
- ◆ Advanced Optical Communication Lab.
- ◆ Virtual Instrumentation Lab (LabView).
- ◆ Advanced computing through MATLAB 2007 (a) and its Toolboxes.



FUTURE PLAN

- Campus and Placement Cell for M.Sc. and M. Tech.
- Integrated M. Sc.
- More equipment in lab with proper space.

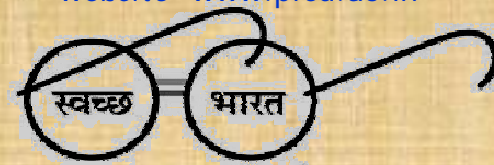
- M. Sc. by research
- Clean lab.



CONTACT

Head of Department

School of Studies in Electronics and Photonics
Pt. Ravishankar Shukla University
Amanaka G.E. Road, Raipur (Chhattisgarh) India - 492010
website- www.prsu.ac.in



एक कदम स्वच्छता की ओर

SCHOOL OF STUDIES IN ELECTRONICS & PHOTONICS



(Funded Under UGC Under Innovative Program)
Pt. Ravishankar Shukla University, Raipur (C.G.)

SHILALEKH 2016



Established in 1994

About Us

The Department provides an unrivalled education in Electronics and photonics. The department has vibrant atmosphere with a combination of strong academic and research activities. Both compliment each other and the students at all levels under the able guidance of the faculty members maintain this brilliant combination and help the Institute to reach the zenith of knowledge and innovation.

Department came in to existence in the year 1994. It was shifted to new building in the year 1995 from Physics Department building. In the last 22 years of existence , number of students passed out are 900 & honored that our students are recruited in –DEITY Govt. of India CAT (Center for Advance Technology, Indore), CSIR ; IT Fields as System & Network Engg.; Railways , Indian & Overseas Banks ; Govt. Services through UPSC , PSC , SSB etc.; Private and Public Sectors ; Academic Field.

The teaching in the department is closely coupled with the research activities of the department. The teaching program contains a proper blend of basic concepts and advances in technology.

Vision

To become a nationally and internationally leading institution of higher learning, building upon the culture and the values of universal science and contemporary education, and a centre of research and education generating the knowledge and the technologies which lay the groundwork in shaping the future in the field of electronics and photonics.

Mission

Our mission is to prepare Competent Scientists imbued with spirit of Professionalism and Responsible Citizenship in a Competitive Global Environment.

Reasons why aspiring students should opt for M.Sc. in Electronics

M.Sc. in Electronics can be opted as a highly preferred discipline due to a lot of career opportunities for skillful candidates in both government and non-government institutions/organizations. The candidates of M.Sc. Electronics can find massive job opportunities in any of the well-reputed companies operating in planning, design, program, and repair electronics, including VLSI (Very Large Scale Integration) designing, which has become one of the most happening fields of Electronics, finding its application in diverse range of electrical and electronics equipment, like: computer peripherals, cell phones, satellites, defense aerospace, consumer electronics, set top boxes, etc. The pay packages as well as job opportunities are much high for expert candidates in this sector.

A good number of the students have been placed so far in well worth MNCs and Government organizations. Also, since 2008, M.Tech. in Opto Electronics and Laser Technology is being jointly conducted by Physics and Electronics Departments of PRSU to further improve the career options in this field.

Career Prospects in Public Sector – Government sector offers secure and steady employment opportunities for expert professionals in Electronics. The different government organizations operating in Electronics field include – Indian Railway, ONGC, NEERI, Nationalized Banks, IGCAR, IAF, DRDO , CSIR, CEERI, BSNL BHEL, BEL, BARC etc.

Vast opportunities are now emerging in Education sector as well, both in teaching and research fields. State & Central governments are going to heavily recruit in their institutions. Postgraduates in Electronics can work as teachers in upper primary school classes.

PHOTO GALLERY



National Workshop on Operation and Maintenance Of Laboratory (19-23, 2015)



National Conference on Recent Trends in Photonics (NCRTP-2014) during 12-14 March 2014



Plenary talk by Prof. Ajoy Ghatak (24th March, 2015)



National Workshop on Robotics ROBOHUNK'15 jointly with IIT Bhubaneswar



National level PCB and Circuit designing workshop cum Championship



International Workshop on Sensor Technology Prfo. Jan Hoinkis, Germany



Annual Alumni Meet
Organized By
School of Studies in Electronics & Photonics
Pt. Ravishankar Shukla University, Raipur (C.G.)

OUR PRIDE

ALUMNI

S. No	Name Of the Alumni	Year
1.	Mr. Santosh Kumar Soni Scientist D, Govt. of India, New Delhi	1996 (M.Sc.)
2.	Mr. Santosh Tamboli Sr. Lecturer, SCERT, Raipur	1996 (M.Sc.)
3.	Shrihari Narayan Sahu Dept. Registrar, Admin, DIAT, Pune	1996 (M.Sc.)
5.	Mrs. Pratiksha Dube JTO (Junior Telecom Officer), BSNL, DURG	2000 (M.Sc.)
6.	Mrs. Reena Pandey TTA, BSNL, Raipur	2000 (M.Sc.)
7.	Mr. Tikendra Prakash Singh Assitt. Reg., Central University, Bilaspur	2004 (M.Sc.)

S. No	Name Of the Alumni	Year
7.	Mr. Tikendra Prakash Singh Assitt. Registrar, Central University, Bilaspur	2004 (M.Sc.)
8.	Mr. Vikas Chandrakar Inspector, Central Excise & Custom, Raipur, C.G.	2004 (M.Sc.)
9.	Mr. Bharat Bhusan Shrivastav Sr. Scientist, RRCAT, M.P.	1997 (M.Sc.)
10.	Shri Uttam Chandrakar Inspector, RTO Raipur, C.G.	2004 (M.Sc.)
11.	Mrs. Rabia Khan Food Inspector, Kanker, C.G.	2004 (M.Sc.)

GOLD MEDALLIST

M. Sc. (Electronics)

S. No.	Name of student	Year
1	Santosh Kumar Tam-	1996
2	Pramod kumar Patel	1997
3	Kumari Kota Sudha Rani	1998
4	Kumari Swagata	1999
5	M.S.Kumar Swami	2000
6	Kumari Pratiksha Tiwari	2001
7	Sanjay Kumar Morya	2002

S. No.	Name of student	Year
8	Chetali Boke	2003
9	Kumari Sonal Lal	2004
10	Kumari Vandana Jha	2005
11	Kumari Vibhuti Thak-	2006
12	Sandeep Kumar Baral	2007
13	P.Rajeshwari	2008
14	Priyabrata Biswas	2009

S. No.	Name of student	Year
15	Vijay Kumar	2010
16	Devendra Rao	2011
17	Sudesh Chourasiya	2012
18	Sohan Kumar Sahu	2013
19	Prerna Dubey	2014
20	Rashmi Shrivastava	2015

M-Tech (Optoelectronics and Laser technology)

S. No	Name of students	Year
1	Piyush Upadhyay	2010
2	Jaya Sahu	2011
3	Avinash Kumar Bind	2012

S. No	Name of students	Year
4	Chandrakant Rathor	2013
5	Vijaya Nag	2014
6	Surbhi	2015

M. Phil. (Electronics)

S. No	Name of students	Year
1	Vandhana Jha	2008
2	Nilesh Dewangan	2012

DOCTORATE

From Host Institution/ University (09)

Name of Research Scholar	Year
Dr. Vasant Naidu	Feb. 2002
Dr. Namita Agarkar	Aug. 2008
Dr. Jitendra Ku Verma	Sept. 2013
Dr. Rajesh Ku Vishwakarma	Sept. 2013
Dr. Viveka kant Jogi	Oct. 2013
Dr. Aijaz Ur Rahman	Mar-14
Dr. Bheshaj Ku Dewangan	Apr-14

Name of Research Scholar	Year
Dr. Prafulla Kumar Vyas	Aug. 2014
Dr. Anjali Deshpande	Aug. 2014
Dr. Rashmi Swami	Aug. 2015









From other Institutions/ Universities (03)

Dr. Ganesh Ku Sinha, CSVTU Bhilai	Apr-10
Dr. Moushmi Kar, GEC, Raipur	Jul-10
Dr. K V R Surya Prakash GEC, Raipur	Mar-11


COURSES OFFERED

Course	No. of Seat	Year of Starting
M.Sc in Electronics	20	1994
M. Tech in Optoelectronics & Laser Technology (AICTE affiliated) Inter Disciplinary Nature	22	2008
M. Phil in Electronics	10	2007
Ph. D. Programme	12	1994
B.Voc (Bachelars in Vocational Education) in Renewable Energy and Technology Management Inter Disciplinary Nature	50	2015



FACULTY



Photos	Name	Qualification	Designation	Specialization	No. Years of Experience	PhD Produced
	Dr. Sanjay Tiwari	M.Sc., M.Phil. Ph.D., M.Sc.(IT), AMIETE	Professor	Computational Condensed Matter Physics, Design, Simulation & Fabrication of Solar Cells, LEDs Computational Electronics	29 Years	12
	Dr. Kavita Thakur	BE, ME, Ph. D	Professor & Head	Speech, Image signal Processing and controls	22 years	7
	Mr. Anil Verma	M.Sc. in Electronics, UGC NET	Contract Asstt. Professor	Electronics	02 Years	Pursuing Ph.D.
	Ms. Praneeta Tamboli	B. E., M. Tec., UGC NET	Contract Asstt. Professor	Electronics & Telecommunicaiton, Optoelectronics and Laser Technology	—	—
	Mr. Praveen Kr. Verma	B. E., M. Tech., UGC NET	Contract Asstt. Professor	Electronics & Telecommunicaiton, Optoelectronics	—	—
	Mr. Naman Shukla	M. Tech, M.Sc. in Electronics UGC NET	Guest Faculty	Opto Electronics & Laser Technology	04 Years	—
	Mr. Javed Akram	M.Sc. in Electronics, UGC NET	Guest Faculty	Electronics	—	—
	Ms. Arjeeta Mishra	M.Sc. in Electronics	Guest Faculty	Electronics	—	—

Superannuated Faculty

	Dr. Harsh Vardhan Tiwari	M.Sc., Ph.D. IISc Bangalore	Former Professor & Head (1994-2006)	Ferroelectric
	(Late) Dr. G. K. Tiwari	M. Sc. Ph. D	Associate Professor (1994-2003)	Ferroelectric

ADMINISTRATIVE STAFF

Photos	Name	Designation	Qualification
	Mr. Surendra Singh	Lab Technician	B. E.
	Ms. Poonam Barbudhe	LDC	M. Sc. (IT), B. Ed. PGDCA

Photos	Name	Designation	Qualification
	Mr. Anand Prakash Tigga	Technician Grade- I	12th, ITI
	Mr. Ramadas Banjare	Lab Attendant	12th

Project (Ongoing / Completed)

Ongoing Project

S. No.	Investigator	Project Title	Letter No.	Funding Agency	Funding Type	Funding Amt (INR)	Pe-riod
1	Dr. Kavita Thakur	Development and Implementation of software based Automatic Heart Monitoring System through Speech Signal Analysis	Endt.No. 72/CCOST/MRP, Raipur, dated 23-04-2016	CCOST, Raipur	Individual	5.00 lacs	April 2016- April 2018
2	PROF. SANJAY TIWARI	Optical and Electrical modeling of Thin Film Organic Solar Cells for efficient solar Spectrum harvesting	DRDO REF ERIP/ER/1203087/M/01 /1495 Dated: 18th Nov 2013	Defence Research Development Organization New Delhi	Individual	26.10 LACS	2014-17

Completed Project

S. No.	Investigator	Project Title	Letter No.	Funding Agency	Funding Type	Funding Amt(INR)	Pe-riod
1	Dr. Kavita Thakur	Speaker Identification using DSP tools	(No. 1263/Grant Cell/MRP/2001, Raipur, dated 23/08/2001)	UGC, New Delhi	Individual	0.20 Lacs	2001-2003
2	Dr. Kavita Thakur	Design and Implementation of Image Enhancement Techniques in Frequency Domain	--	CCOST, Raipur	Individual	2.00 Lacs	2008-2010
3	Dr. Sanjay Tiwari	Fabrication and modeling of PbS /TiO2 Quantum Dot Photo-voltaic Devices	--	International Fulbright Commission Washington USA	Individual	14.27 Lacs	2010-2011
4	Dr. Sanjay Tiwari	Simulation of Organic Solar Cells.	--	UGC, New Delhi	Individual	3.00 Lacs	2009-2012
5	Dr. Sanjay Tiwari	Design and Characterization of Polymer Light Emmiting Diodes for flat pannel Displays	--	University Grant Commission (UGC), New Delhi	Individual	9.71 Lacs	2009-2012
6	Dr. Sanjay Tiwari	Design and Simulation of Organic Electroluminescent Devices	No. 939/CCOST /09 dt.21/10 /09	Chhattisgarh Council of Science & Technology	Individual	.02 million	2009-2011

Student Enrichment Programme & Workshop

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.	Dr. Ajoy Ghatak, delivered plenary talk on "EINSTEIN & HIS YEAR OF MIRACLES"	24 th April,2015
4.	Dr. 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 Dr. 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



Seminar / Workshop organized

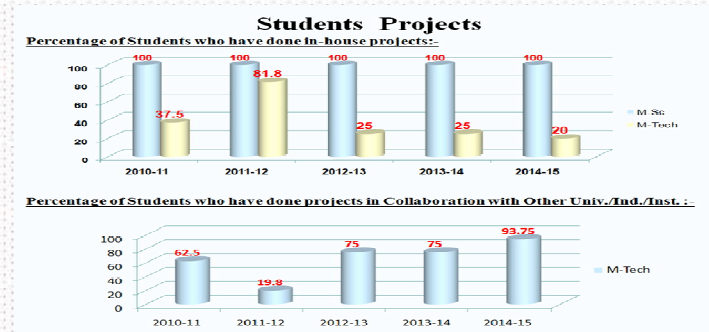
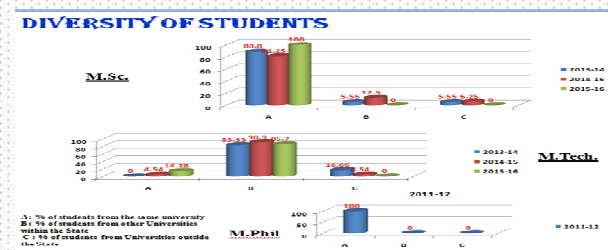
S. No.	Title	Convener	Date / Year
1	National level PCB and Circuit designing workshop cum Championship	Dr. Kavita Thakur	4-Mar-16
2	National Workshop on Quadcopter (UAV) Jointly with Entrepreneurship Development Cell, IIT Delhi during 29-30 March, 2015.	Prof. Sanjay Tiwari	29-Mar-15
3	National Workshop on Operation & Maintenance of Laboratory Equipments jointly with Western Regional Instrumentation Center Mumbai during 19-23 March 2015	Prof. Sanjay Tiwari	19-Mar-15
4	National Workshop on Robotics ROBOHUNK'15 jointly with IIT Bhuvaneshwar (12-13 Jan 2015)	Prof. Sanjay Tiwari	12-Feb-15
5	A 3 day National Conference on Recent Trends in Photonics (NCRTP-2014) jointly with USIEF, UKIERI and Chhattisgarh Vigyan Bharti during 12-14 March, 2014.	Prof. Sanjay Tiwari	12-Mar-14
6	National Conference On "INTERACTION BETWEEN TRADITIONAL AND MODERN TECHNOLOGY" with Chhattisgarh VigyanBharati during 24-25 March, 2012.	Prof. Sanjay Tiwari	25-Mar-12

Number of Students in Collaborated Institute

S. No.	Batch	Number of Students	Collaborated Institute
1	2013-14	10	RRCAT Indore
2	2013-14	3	NARL, Gadanki
3	2014-16	8	RRCAT Indore
4	2014-16	1	RRI Bangalore
5	2014-16	1	IIT Mumbai

Publications 2010-15

Parameter	Numbers
Numbers listed in International Database	Google Scholar- 41+22 = 63 Scopus / SCI -19+02=21
Citation Index (Range)	0-200 (ST-0-174;KT0-26)
SNIP	0.117 (2014)
SJR	0.106 (2014)
IPP	
IF (R/Avg)	Range - 0-8 (ST-0-6;KT0-2)
h-Index	8 (ST-6;KT-2)



Publications 2010-15

Citation indices	Dr. Sanjay Tiwari		Dr. Kavita Thakur	
	All	Since 2011	All	Since 2011
Citations	272	194	78	76
h-index	6	5	5	5
i10-index	4	4	1	1

Parameter	Numbers
Number of Papers Published in Peer Reviewed Journals (National / International)	63
Chapters in Book	1
Books with ISBN	3

Young Scientist Award

Research Scholar	National / State	Year	Conference
Pooja Agnihotri	State	2016	14th CHHATTISGARH YOUNG SCIENTIST CONGRESS
Jeetendra Kumar Sharma	State	2014	12th CHHATTISGARH YOUNG SCIENTIST CONGRESS