

# Resume

## Dr. KAVITA THAKUR

Professor (SOS in Electronics and Photonics), Senior Member (IEEE)

Pt. Ravi Shankar Shukla University, Raipur (C.G.), India

DOB. : 07<sup>th</sup> December 1967



### Address:

C/o Shri J.N. Thakur, Advocate, Near Doodhadhari Mandir, Math Para, Raipur (C.G.), 492001, India.

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### Education

M.P. Board of Education, Bhopal

- 12<sup>th</sup>(HSSC): 82%

Govt. Engineering College (Now National Institute of Technology, Raipur)

- B.E. (Electrical Engineering): 78.68%

University of Roorkee ( Now Indian Institute of Technology)

- M.E. (Hons.) in Electronics & Telecommunication Engineering: 82.75 %

Pt. Ravi Shankar Shukla University, Raipur (C.G.), India

- Ph.D. in Electrical Engineering on "Extraction of Phonetic Parameters for Status Recognition of Pregnant Woman using Linguistic Segmentals."

## Total Teaching & Research Experience: 20 Years

### EMPLOYMENT RECORD

<i>Employer</i>	<i>Designation</i>	<i>Period</i>
<i>Pt.Ravishankar Shukla University,Raipur,CG</i>	<i>Lecturer</i>	<i>From 29.01.1994 to 26.07.1998</i>
<i>Pt.Ravishankar Shukla University</i>	<i>Senior Lecturer</i>	<i>From 27.07.1198 to 26.07.2003</i>
<i>Pt.Ravishankar Shukla University</i>	<i>Reader</i>	<i>From 27.07.2003 to 26.07.2006</i>
<i>Pt.Ravishankar Shukla University</i>	<i>Associate professor</i>	<i>From 26.07.2006 to 03.03.2013</i>
<i>Pt.Ravishankar Shukla University</i>	<i>Professor Direct Recruited</i>	<i>From 04.03.2013 till date</i>

**RESEARCH PAPERS PUBLISHED:**

<i>Publication</i>	<i>National</i>	<i>International</i>	<i>Total</i>
<i>Journals</i>	<i>30</i>	<i>24</i>	<i>54</i>
<i>Conferences</i>	<i>30</i>	<i>33</i>	<i>63</i>
<i>Total</i>	<i>60</i>	<i>57</i>	<i>117</i>
<b><u>Book Published</u></b> 01. Title of the Book- Phonetic parameters for status recognition of pregnant women Author- Kavita Thakur & A. S. Zadganokar Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN- 978-3-8465-4338-2. Published on the: 10.02.2012 02. Title of the Book- A Practical Approach to Frequency Domain Image Enhancement Methods. Quality Assessment of Digital Images . Author-G R Sinha , M K Kowar , Kavita Thakur Publisher- Lab LAMBERT academic Publishing GmbH & Co. KG, Germany, ISBN-978-3-659-17007-2. Published on the: 28-06-2012			<b><u>01</u></b>
<b><u>Book Chapter (accepted for publication)</u></b> 01. Title of Book- Optimizing Assistive Technologies for Aging Populations Book Chapter- Assistive Technology for Heart Monitoring of Elderly People through speech analysis Author- Anjali Deshpande ,Kavita Thakur, Arun Shrihari Zadgaonkar, pp 335-356. Editors of Book: Prof. Yosry Morsi, Swinburn, University of Technology, Australia Prof. Anupam Shukla, Institute of Information Technology and Management, Gwalior, India Chandra Prakash Rathor, Institute of Information Technology and Management ,Gwalior, India Publisher : IGI Global International , ISBN13:9781466695306,EISBN13: 9781466695313			

## **Research Areas:**

*Speech processing, Design of Digital Filters for personal identification, Microcontroller Design based control. Digital Image Processing and it's applications in biometric image security, forensic science, pattern recognition, early detection of breast cancer, content retrieval of underwater imaging, nano imaging etc.*

## **No. of Ph.D. Thesis Guided:**

### **Completed: 07**

- Dr. G.R.Sinha, “*Design and Implementation of Image Enhancement Techniques in Frequency Domain*”, Chhattisgarh Swami Vivekananda Technical University, Bhilai, C.G., India , April 2010.
- Dr. Moushmi Kar, “*Extraction of Speech Parameters for Person Identification using FIR Filters*”, Pt. Ravishankar Shukla University, Raipur, C.G., India , July 2010.
- Dr.K.V.R. Surya Prakash , “*Speech Signal Processing of Mentally Retarded Persons for Identification of their Mental Status*”, Pt. Ravishankar Shukla University, Raipur, C.G., India , March 2011.
- Dr. Aijaz Ur Rahman, “*Design and Implementation of Edge-based, Region-based and Threshold-based Image Segmentation Techniques*”, Pt. Ravishankar Shukla University, Raipur, C.G., India, March 2014.
- Bhishej Ku. Dewangan, “*Some contributions to the Design and Performance Evaluation of Image Compression Techniques*”, Pt. Ravishankar Shukla University, Raipur, C.G., India April 2014.
- Prafulla Ku Vyas, “*Design of Microcontroller based System for Monitoring the variations of Atmosphere Conditions for Optimal use of PV Cell's Characteristics*”, Pt. Ravishankar Shukla University, Raipur, C.G., India , August 2014.
- Anjali Deshpandey, “*A Correlation between Speech Features and Functioning of Human Heart*”, Pt. Ravishankar Shukla University, Raipur, C.G., India , August 2014.

### **Ongoing: 01**

- Santosh Kumar Soni, “*Algorithmic Design and Implementation of a Multi-biometric Engine for Highly – Secured , Real-Time Biometric Recognition Systems based on Iris and vascular Patterns of Palm & Retina* ”, Pt. Ravishankar Shukla University, Raipur, C.G., India.

## **No. of M.Phil. Thesis Guided :**

## **Completed: 04**

- Vandana Jha, ” *Radiographic Image Enhancement using Gray Scale modification*”, June 2008.
- Rajesh Prasad, ” *Image Enhancement using Gray scale modification*”, June 2008.
- Mohan Lal Sonkar, ” *Computer Aided Design of Amplifier using Virtual Instrumentation*”, June 2008
- Nilesh Dewangan, ” **Parallel implementation of Block Truncation Coding (BTC) for Image Compression**”, June 2012.

## **Research Experience:        22 years**

### **Member : 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.
- STM Journals, Consortium E-Learning Network Pvt. Ltd. (CELNET), Noida, May 2015

### **Member : Advisory Committee**

- The ExcelingTech 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)
- STM Journals , Consortium E-Learning Network Pvt. Ltd. (CELNET), Noida, May 2015

### **Research Projects : 02**

<b>S. No.</b>	<b>Title of Project</b>	<b>Amount (Lacs)</b>	<b>Funding Agency</b>	<b>Remarks</b>
<b>1.</b>	<b>Speaker Identification using DSP tools.</b>	<b>0.20</b>	<b>U.G.C., New Delhi, India (No. 1263/Grant Cell/MRP/2001, Raipur, dated 23/08/2001)</b>	<b>Completed (2001-2003)</b>
<b>2.</b>	<b>Design and Implementation of Image Enhancement Techniques in Spatial Domain.</b>	<b>2.0</b>	<b>Chhattisgarh Council of Science and Technology (CCOST),Raipur, C.G., India</b>	<b>Completed (2008-2010)</b>

**Awards and Recognition**

- Awarded GATE Scholarship by Department of Education, Ministry of Human Resource Development, Govt. of India, 1989 - 1991.
- Awarded certificate of merit in recognition of the high position secured in the list of meritorious candidates, qualifying for awards from Madhya Pradesh in 1984.
- Awarded a Minor Research Project of Rs. 0.02 Lacs from University Grants Commission, New Delhi for the Year 2001-2003.
- Awarded a Minor Research Project of Rs.2.00 Lacs from Chhattisgarh Council of Science and Technology, Raipur, C.G., for the Year 2008-2010.
- 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.
- Cited my Biography in “ Morques Who’s Who” , NJ 07974 USA.( Ref. no. 40936808-4DB2DCA2-503-98ABE)
- 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 23<sup>rd</sup> 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 IFF (India Friendship Forum) ,New Delhi, India.

### **Abroad Visit**

- Attended an International Conference – APSIPA ASC 2010 (Asia Pacific Signal and Information Processing Association Annual Summit and Conference 2010), Dec.14-17, **Biopolis, Singapore.**
- 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

### **Particulars of Any other Professional Experience**

- Delivered a lecture on Digital signal processing as a resource person in a refresher course at S.O.S. Computer Science, Pt. R.S. University, Raipur. C.G. (2005).
- An invited talk on fundamental of signal analysis in sector-10 school, Bhilai in Orientation Programme of Teachers on 29/08/2007.
- A seminar on Digital Electronics on 27.11.2008 at Govt. P.G. Digvijay College, Rajnandgaon, C.G.
- An invited talk and Chair a technical Session in one day National Workshop on Advancement in Communication Technology and Application on 31<sup>st</sup> Jan. 2009 at Raipur Institute of Technology, Raipur.
- Invited as chief guest on the occasion of Engineers Day celebration on 15<sup>th</sup> September 2010, organized by RSR Rungta College of Engineering & Technology, Bhilai.
- Chaired a Technical Session in National Seminar on Advanced Communication Techniques & Networking: Exploring Challenges, at Shri Shankaryacharya College of Engineering and Technology, Bhilai, C.G. (6th Jan. 2007).
- Delivered a keynote Address in Technical Session of National Conference on information and Communication Technology and its Application (Technovision 2007), Oct 26-27, 2007, organized at Shri Shankaryacharya College of Engineering and Technology, Bhilai, C.G.
- Invited as subject expert in Tech fair of youth festival 2009 organized by C. G. Govt and Disha Institute of Management And Technology (DMAT) Raipur on 24.02.2009 and judged 20 Electronics Models.
- Delivered a keynote address and chaired a technical session of All India Conference on Environmental Impact of Electronics and Electrical (AICON 2012), Jan. 20-21 , organized by Chhatrapati Shivaji Institute of Technology , Bhilai, at Department of Electrical and Electronics Engineering , CSIT , Bhilai on 21.01.2012.
- Chaired a technical session of International Workshop on Advanced Material Science and Astrophysics (IWAMA),Feb.19-21,2012,organized by PRSU,Raipur and Michigan Technological University ,U.S, at PRSU , Raipur, C.G.
- Chaired two technical sessions of UGC sponsored National Conference on Advances in Computing (NCAC 2012), Mar.16-17, 2012 ,organized by Computer Science Department , North Maharashtra University, Jalgaon at NMU, Jalgaon on 16/03/2012.
- Acted as member organizing committee. UGC sponsored National Conference on Managing Interpersonal Communication in Global World, Oct. 22-24,2010, jointly organized by SOS in Psychology , Pt. Ravishankar Shukla University, Raipur and Psycholinguistic Association of India (PLAI) at SOS in Psychology , Pt.

Ravishankar Shukla University, Raipur, C.G., India.

- Acted as member organizing committee, UGC sponsored National Seminar on Examination Reforms ,7-9March 2011,organized by SOS in Psychology , Pt Ravishankar Shukla University Raipur, C.G.
- Acted as Organizing Secretary, International National Workshop on Advanced Material Science and Astrophysics (IWAMA) , Feb. 19-21. 2012, jointly organized by PRSU, Raipur and Michigan Technological University, U.S.at PRSU ,Raipur, C.G., India.
- Acted as Member, an Organizing Community of Natioal Seminar on ‘ Role of Women in the Development of Nation in the New millenum’ ,held during January, 09-11,2013, organized by Women Study Centre, PRSU, Raipur, CG ,India.
- Acted as Member, an Organizing Community of Natioal Seminar on ‘Rabindranath Tagore and Rural Development’ , held during February, 20-22, 2013, organized by Pt. Ravishankar Shukla University Raipur& State Resource (Adult and Continuing Education ),Raipur, CG at PRSU, Raipur, CG, India.
- Conducted as Coordinator, a Refresher course in “Research Methodology inBasic Sciences” from June 01-21, 2013 at Academic Staff College, PRSU, Raipur, CG, India.  
(Letter no /1246/ASC/13, Raipur,dated May 03,2013.
- Acted as Chairperson in two technical sessions of International Conference on Eco Friendly Technologies in Electronics & Telecommunication for sustainable growth on 9th February,2013 organized by Rungta College of Engineering and Technology, Bhilai, India .
- Organizing Secretary, National Conference on Recent Trends in Photonics, 12-14, 2014, SOS in Electronics & photonics, PT. RSU, Raipur.
- Delivered a Keynote address in AICON 2013 and chaired a Technical session in Electrical and Electronics Department, Chhatrapati Shivaji Institute of Technology, Durg, C.G, India on13th April 2013.
- Delivered two Invited Lectures in AICTE sponsored Faculty Development Program (FDP) on Advances in Power System and Power Electronics in Electrical & Electronics Engineering, Chhatrapati Shivaji Institute of Technology, Durg, CG, India, on 8th May 2013.
- Delivered an invited talk “Speech Signal Processing & its application” in the Short Term Course in Matlab programming and its engineering applications ,Dec 26-30, 2013, NIT Raipur on 28<sup>th</sup> December 2013.
- Delivered Delivered an invited talk “Speech production, modeling and its application” in the National Workshop on “Application of MATLAB in Engineering & Interdisciplinary Area” on 9<sup>th</sup> January, 2014, College of Engineering and Management, Kolaghat, Purba Medinapur, West Bengal.
- Delivered an invited talk “Biometric and its applications” and chaired a technical session in the National Conference on “Emerging Trends in Electrical, Electronic Instrumentation & Computer Engineering (ETEICE)” on 27/03/2014, at Bhilai Institute of Technology, Raipur CG. Chaired a session in Shaastrarth 14 an international conference on "Advanced Research applications in engineering and technology” on 24th March 2014 at Rungta College of Engineering and Technology, Raipur.



- Chaired a technical session in National Conference on Innovations in Material Science and Technology on 24<sup>th</sup> April 2015 organized by Department of Aeronautical Engineering and Department of Electronics & Telecommunication Engineering, MATS University, Raipur.

### **Administrative Responsibilities:**

- Head , SOS in Electronics, Pt. R. S. S. University, Raipur (C.G.) from 01.11.06 to 24-06-10 and 01.08.2015 to till date.
- Head , Department of Electronics/Electrical Engg. Deptt. of Univ. Inst. of Technology, Pt. R. S. University, Raipur (C.G.) from 28.08.04 to 30.06.06.
- Acted as Assistant Superintendent in Univ. Examinations and NET examinations (June 2006).
- Appointed as Assistant Superintendent, Second Shift, University Examinations at UTD, Pt.R.S. University, Raipur, C.G.(2006 & 2007).
- Member of Academic council, Pt. Ravishankar Shukla University, Raipur (C.G.) from 01.11.06 to 18-07-2011, 16/09/2014 to 15/09/2017.
- Chairman Board of Studies, Electronics, from 01.11.06 to 19.07.08, 27-10-2010 to 18-07-2011 , 16 September 2014 to 16<sup>th</sup> September 2017 and member 29.01.1994 to 31.10.2006 , 20.07.2008 to 26-10-2010 and 16-09-2011 to 15-09-2014.
- Member Board of Studies of M Tech in Optoelectronics & Laser Technology (Interdisciplinary Course in Physics & Electronics), from July 2008 to till date.
- Inspected Electronics / IT Departments of various colleges affiliated to Pt. R. S. University, Raipur (C.G.) for temporary affiliation as a member of Univ. Inspection team.
- Appointed and inspected as a member of University inspection team for temporary affiliation of science subjects at St. Thomas College, Bhilai(2003), B.Sc. Electronics Part I, Govt. VYTPG Autonomous College, Durg, C.G.(Jan 2005), Karma Mata Arts & Commerce college, Jamgaon, Arang, C.G. (April 2006), Chhattisgarh Institute of Technology Rajnandgaon C.G. for Electronics & Telecommunication Branch(15th Dec 2006),Govt. VYT Autonomous College,Durg, C.G. (29th March 2007),Govt. P.G. College Jagdalpur, Dist- Baster, C.G. (July 2007),Kalyan College Durg (22/01/08) and Govt. Digvijay College Rajnandgaon, CG. (28/02/08), Govt. P.G. College Jagdalpur, Distt – Bastar (13th Sept. 2008), Govt. Digvijay College, Rajnandgaon, C.G. (27.11.2008) & Kalyan College, Bhilai, Durg (25.11.2008).
- Inspected The Vivekanand Shiksha Sansthan, Ramkrishna Paramhance Nagar, Kota, Raipur on 19/11/2014 as Member of the committee formed by VC, PRSU, Raipur for B.Ed. course .(2140/DCDC/2014,dt 18/11/2014)
- Appointed by CSVTU, Bhilai as subject expert and Inspected as subject expert Electronics and Telecommunication department of BIT for recognition of the Electronics at approved place of research for carrying out research leading to PhD degree on 04/04/2008(CSVTU/Insp/08/417 dated-21/02/08).
- Nominated by Vice Chancellor, Chhattisgarh Swami Vivekananda Technical University , Bhilai as subject expert and inspected Electronics and Telecommunication department of Shri Shankaracharya College of Engineering and Technology, Bhilai for recognition of Research Centre for Ph.D. degree on 05/10/10(Ref/CSVTU/Ph.D./2010/1998 dt 14/09/10) .
- Inspected and evaluated five private colleges for the session 2009-2010 as member of three

member team formed by V.C., Pt. Ravishankar Shukla University , Raipur, during month September – October 2009 and submitted report as per prescribed format.

- Member of B.O.S. Electronics / Physics of the following Autonomous colleges :-
  - Govt. VYT PG Autonomous College, Durg, Pt. Ravishankar Shukla University Raipur (C.G.).( Feb 2005, Sept. 2005 & 22 Aug. 2008, 06/02/2015 to 05/02/2018,).
  - Govt. P.G. Digvijay College, Rajnandgaon, C.G. (27.11.2008)
  - Govt. PG College, Ambikapur for two years w.e.f. 26.08.2008 to 25.08.2010.
- Acted as subject expert in Electronics for recommending awards of Travel Grant to the Candidates by Chhattisgarh Council of Science and Technology, Raipur (C.G).
- As a subject expert, submitted two evaluation reports in the year 2004 and five in the year 2005, one on 23rd Jan 2006, one on 9th April 2008(1567/CGCOST/2008 dated 31/3/2008), two on 25.09.2008 & one on 13-08-09 to CCOST, Raipur for financial assistance in participation in International conferences.
- Extended services as subject expert to Chhattisgarh council of science and technology, Raipur, C.G. for publication of magazine, New Jigyasa Part I & II. (2004 and Dec. 2008).
- Appointed by CCOST, Raipur as a subject expert for review of on going Mini Research projects of Computer Science (2005).
- Attended as an observer (Representative of University) in an interview for assistant grade III on 19/11/2007 at National Institute of Technology, Raipur C.G.
- Evaluated M.Tech thesis and conducted viva-voce at - BIT Durg (15-01-08), Shri Shankaracharya College of Engineering and Technology (18.10.2008) , Rungta College of Engineering & Technology, Bhilai,(May 2009), Shri Shankaracharya College of Engineering and Technology (18-03-10 & 19-11-10) , Rungta College of Engineering & Technology , Bhilai (Two thesis on 18-10-10) & Rungta College of Engineering & Technology , Bhilai (05/08/2011), 02/02/2013 at Kargi Road Kota, Bilaspur, CG .India (No/CSVTU/Exam/2012/624 dt 22/12/12,Ref no : RCET/Exam/2013/Bhilai Date : 28/01/2013), on 23/03/2013 at Rungta College of Engineering and Technology, Bhilai, CG, India (No / CSVTU/Exam/13/814 Bhilai, date 07/03/2013 & RCET /Exam/13/328 Bhilai Date 20/03/2013) affiliated to Swami Vivekanand Technical University,Bhilai, in Electronics, Shri Shankaracharya College of Engineering and Technology, ,CSVTU, Bhilai on 17/01/2015 (letter no CSVTU/Exam/2014/627, Bhilai,Date 30/09/2014),
- Evaluated M.Tech thesis and conducted viva-voce as subject expert in Computer Science, NIT,R Raipur on 8th July,2013(letter no.1183/05/07/2013,CS Deptt), in Electrical Engineering Electrical Engineering, NIT Raipur on 05/02/2015 ( no NITRR/Exam Cell/2014/54.dt 22/01/2015 & No. NITRR/Electrical/Oral Exam/1452, dated 04/02/2015).
- Appointed as external examiner for Ph.D. Thesis evaluation in Electronics Engineering, Barkatullah University, Institute of Technology, Bhopal (Conducted viva voce on 18/03/2015 vide letter no.2606/Ph.D/config/15 ,Bhopal,Date 19/02/2015 & 2509/Electronics/467-13/Ph.D./University,Bhopal,date 04/02/2015
- Appointed by Pt. R. S University, Raipur as subject expert in Electronics and conducted an interview under section 28 at Pt.R.S.University Raipur, for the recruitment of post of Assistant Professor in Electronics of - Kalyan P.G. College, Bhilai on 19-05-2009 , Chhattisgarh Kalyan Education College , Nandini Road, Durg (J C W) on September 2009 (95/Acad/2008 dated 30-04-08),St.Thomas College,Rua Bandha,Bhilai on 02-02-10(8808/Acad/selection/2010,Raipur dated 03-01-10), Bhilai Mahilavidyalya ,Bhilai

Nagar (23-02-11), St. Thomas Collage, Bhilai on 24/08/2012 (STC/Interview/2012 dated 31/07/2012 & No 7908/Acad/sel/2012/dated : 25/07/2012.

- Appointed by Pt. R. S University, Raipur as subject expert in Computer Science and conducted an interview under section 28 A , at Pt.R.S.University Raipur, for the recruitment of post of Assistant Professor in Computer Science of – Netaji Subhash Mahavidyalaya, Gram Bel Bhattha , Abhanpur Dist. Raipur on 09-12-2009 (8337/Acad/Selection/09/Raipur dated 24-11-2009) , Kalyan P.G. College , Bhilai Nagar, Durg on 04-02-2011 (8865/Acad/Selection/2010 Raipur date 20-11-10) and Bhilai College of IT,Bhilai on 19/07/2012 (D.No./SC IT dt 13/07/12 & 7623/Acad/Selection/2012,Raipur,Date 25/06/2012)
- Nominated by Hon’ble V.C. of Pt. R. S. Univ. , Raipur as member, Governing body of Chhattisgarh Kalyan Shiksha Mahavidyalaya , Nandini Road , Ahiri , dist. Durg and Ahiri attended the meeting on 18-08-10 at Chhattisgarh Kalyan Shiksha Mahavidyalaya , nandini road dist. Durg (no.9 college/045 dt. 07-08-10),Agrsen Mahilamahavidyalaya , Dhanora,Durg,& Seth RCS Art & Commerce College, Durg, for two years from 06/09/2011 to 05/09/2013. Attended meeting at on 30/07/2012 at Agrsen College, Dhanora , Durg.,CG,India. (Ref. no. ACI 2012/284, dt 28/07/2012 and 4740/Acad/2011/date 06/09/2011), Seth RCS Arts & Commerce Mahavidyalaya , Durg, under section 28 Art. III 16(1) C, on 22/10/2012 at Seth RCS Arts & Commerce Mahavidyalaya , Durg ,India (Letter No 261/2012,Durg,dated 08/10/2012), Agrsen College , Dhanora , Durg, CG, India 05/03/2013 ( no 47A0/Acad/2011/date 06/09/2011 & Ref no AC/2013/358A, AC/2013/359B), Seth RCS Arts & Commerce Mahavidyalaya , Durg ,India, on 09/03/2013 (Univ letter No. /Acad/2011date , Ref n0 416/2013 , Durg, date 27/02/2013), Agrsen College Dhanora ,Durg on 17<sup>th</sup> July,2013 ( Ref no AC/2013/439,dt 10/7/2013 ), G S Arya Kanya Mahavidyalaya,Durg, CG on 22/12/2014 (Letter no.13089/Acad/2014,Raipur dated 09/01/2014 & 375/14 dated 9/12/2014)
- Nominated by Chhattisgarh Swami Vivekanand Technical University Bhilai as subject expert in the selection committee and conducted an interview for the selection of teachers/Faculty in the department of Electronics and Telecommunication Engineering at Shri Shankaracharya College of Engineering and Technology, Bhilai on 13-07-2009 , Ashoka Institute of Technology and Management , Rajnandgaon on 01-12-09 (CSV TU/Interview/2009/3692 dated 05-11-09), Raipur Institute of Technology , Raipur (CSV TU /interview/2009/3A dated 03/07/09).
- Appointed by Hon’ble V.C. of Chhattisgarh Swami Vivekanand Technical University Bhilai as External Subject Expert of the RRPC (Research Program Review Committee) in Electronics & Telecommunication Discipline and attended RRPC meeting on 17-11-10 & 05/08/2011 at Chhattisgarh Swami Vivekananda Technical University Bhilai.
- Attended as an academician, appointed by VC, PRSU, Raipur, an interview board for recruitment of Assistant Professor in Computer Science under section 28 ‘A’ for Science College, Sector 6, Bhilai, Bhilai on 05/10/2012 at Science College ,Sector 6,Bhilai , CG, India. (Ref No.SM/2012/2060 dted 26/09/2013), in Computer Science, Roopchand College ,Bagaijur, Saraipali,Mahasamund, on 30/04/2013 (9821/Acad/selection/2013, Raipur, date 11/03/2013 & 1105/Selection/section 28/2013 dated 02/01/2013), in Physics on 19/09/2013, Gurukul Mahila Mahavidyalaya, Raipur,in Computer Science on 26/10/2013 ,Mahatma Gandhi Mahavidyalaya, Raipur (11639/Acad/selection/2013,19/8/2013 & Ref no MGC/1449 dt 25/09/2013), in Computer Science, 06/12/2013 ,Vipra College, Raipur.( Letter no/12005/Acad/selection/2013 dt 18/09/2013, Raipur & 3089/V C/Acad/2013 dt 26/11/2013), in Computer Science, Alshums

Infotech College , Nagri, Dist Dhamtari on 03/01/2014( no 12692/Acad/Selection/2013 dt 29/11/2013, Raipur), in Computer Science, Vivekanand Mahavidyalya, Durg Education Academy, Raipur on 14/02/2014 ( VM/App/190/2014, 28/01/2014), in Computer Science on 08/07/2014, Maharaja Agrsen International College, Raipur, in Computer Science on 02/07/2014 ,Central College of IT , Fafadih, Raipur,CG, in Computer Science on 07/01/2015, Pragati College ,Raipur.( Letter no/2177/Acad/Recruit/2014 dt 12/12/2014, Raipur & PCR/4892/dated 22/12/2014), in Computer Science on 15/01/2015, Platinum College of Professional Studies, Raipur .( no 2208/Acad/Recruitment/2014 ,Raipur dt 16/12/2014 & PCPS/RSU/Jan 15/528, Raipur dt 12/01/2015), in Computer Science on 16/02/2015, GD Rungta College of Science & Technology, Bhilai (no 2536/Acad/Selection/2015, Raipur dt 21/05/2015 & GDRCS/15/3908,dt 12/02/2015), in Computer Science on 24/02/2015, MJ College , Kohka, Bhilai, Raipur ( No. 2536/Acad/Selection/2015,Raipur,dated 21/01/2015 & no 2581/Acad/selection/2015,Raipur,Dt 24/01/2015), in Computer Science on 25/02/2015 , Seth Phoolchand College, Rajim, in Computer Science on 03/03/2015, Comptech College, Dhamtari, in Education on 15/03/2015, Saildevi Mahavidyalya , Anda,Durg .

- Member of DRC (Department Research Committee) as per Revised Ordinance 45 for Ph.D. program from 26-07-2010 till date.
- Acted as a member Lab Visit Committee of DST Inspire Internship Summer Camp between 06-10 June 2011 at Pt. R.S. Univ., Raipur. (Letter no. 2173/Gen. Admin/2011 , Raipur , dt. 28-05- 2011), DST Inspire Internship Summer Camp, 26-30 Dec 2014, at Pt. R.S. Univ. Raipur.
- Facilitated U.I.T. to establish Electronics lab, Electrical lab, teaching etc., equals responsibility of HOD Electronics/Electrical Deptt. of U.I.T. ,Pt. R.S. University, Raipur (C.G.), from 28.08.04 to 30.06.06.
- Supervised the preparation, compilation and printing of a laboratory manual of Basic Electrical Engg lab for BE 1st semester students of UIT, Pt. R.S. Univ,Raipur,CG, in Nov.2004.
- Attended a meeting of Research Degree Committee (RDC) in Electrical Engineering as External Committee member , appointed by VC ,Dr. C V Raman University, Bilaspur, on 10/07/2012 at Kargi Road Kota, Bilaspur,CG.India (Ref no./CVRU Ph.D/out/09/2012, dated 30/06/2012).

### **Membership of Professional Bodies**

- Senior Member, IEEE (Institute of Electrical and Electronics Engineers) No. 40281728.
- Life Member of ISTE (Indian Soc. for Technical Education) No.LM-23431
- Life member of Institute of Engineers , No.-M124017-4
- Ex Member of Indian Science Congress Association , No.-1034
- Life membership of Acoustical Society of India (ASI) , No.LM 623
- Ex-Member of AES (Audio Engineering Society of India) member No. 52775
- Member APSIPA(Asia Pacific Signal and Information Processing Association) No. M110647.
- Member : Capacity Building of Women Managers in Higher Education , A UGC Programme