



Dept. of Electronics and
Telecommunication
S.G.G.S. Institute of Engg. & Technology,
Vishnupuri, Nanded- 431 606
MAHASRASHTRA STATE
INDIA

Off: +91 2462-269220
Mob: +91 9421474393
Fax : +91 2462 229236
E-mail:
mbkokare@yahoo.com,
mbkokare@sggs.ac.in,
mbkokare@gmail.com

Manesh B. Kokare, Ph.D. (IIT Kharagpur)
BOYSCAST Post Doctoral Fellow (University of California Santa Barbara, USA)

1. **Full Name:** Dr. Manesh Babanrao Kokare
2. **Date of Birth:** 11th Aug 1972
3. **Designation:** Associate Professor
4. **Academic Record:**

| Institute/ University | Degree | Academic Year | Field of Specialization |
|---|---|--------------------|---|
| University of California Santa Barbara, USA | BOYSCAST Post Doctoral Fellow | Aug 2011-Sept 2012 | Retinal Image Analysis/ Retrieval |
| Indian Institute of Technology Kharagpur, INDIA | Ph.D. | July 2004 | Content Based Image Retrieval, Image Processing |
| Swami Ramanand Teerth Marathwada University Nanded, INDIA | M.E. Electronics | May1999 | Electronics Specialization in Computer Technology |
| Marathwada University, Aurangabad, INDIA | B.E. Electronics | May 1993 | Electronics |
| Board of Tech Exam Mumbai, INDIA | Diploma in Industrial Electronics Engineering | May 1990 | Industrial Electronics |

5. **Professional Appointments/Employment:**

| University/College | Designation | Period | | Teaching/Research / industry Experience |
|---|---------------------|---------------------------|--------------------------|---|
| | | From | To | |
| S.G.G.S. College of Engg. and Tech Nanded | Associate Professor | 9 th Nov 2008 | Till date | 21 years |
| S.G.G.S. College of Engg. And Tech Nanded | Assistant Professor | 09 Nov 2005 | 8 th Nov 2008 | |
| S.G.G.S. College of Engg. And Tech Nanded | Senior Lecturer | 9 th Nov 2000 | 8 th Nov 2005 | |
| S.G.G.S. College of Engg. And Tech Nanded | Lecturer | 12 th Oct 1995 | 8 th Nov 2000 | |

| | | | |
|------------------------------------|------------------|--|------------------|
| Dynamix Dairy Ltd, Baramati | Junior Engineer | 16 th Aug 1995 to 2 nd Oct 1995. | 1.5 years |
| Desai Electronics Pvt Ltd, Pune | Junior Engineer | 21 st Jan 1995 to 12 th Aug 1995 | |
| Superb Product Pvt Ltd. Pune | Trainee Engineer | 1 st April 1994 to 20 th Jan 1995 | |

7. Membership of Scientific and Professional Societies:

- IEEE Member (No.80467316)
- Member IEEE Signal Processing Society
- Member IEEE Computer Society
- Life Member of Indian Society for Technical Education (ISTE) (LM-48043)
- Life Member of the Institution of Electronics and Telecommunication Engineers (M-183827).
- Life Member of System Society of India.

8. Ph. D. Thesis Title: “Wavelet Based Features for Texture Image Retrieval”.

9. Honors and Awards:

- **2013-14: “Best Teacher Award”** for the year 2013-14, from Swami Ramanand Teerth Marathwada University, Nanded in recognition with excellent work in educational field. Award carries **Certificate, University Memento, and Cash prize of Rs. 10,000/-**
- **2010-11:** Received prestigious **“BOYSCAST Fellowship”** for the year 2010-11, from Department of Science and Technology, Government of India to carryout Advanced Research work at University of California, Santa Barbara, USA from Aug 2011- Sept 2012. (**Fellowship amount US\$ 39,000/-**)
- **2009: “Best Achievements in Carrier”** Awarded by Alumni of Shri Guru Gobind Singhji institute of Engineering and Technology, Nanded, in Silver Jubilee Alumni Meet held 26th -27th December 2009.
- **2009: “Best Paper Award”** in National Conference on Signal and Image Processing organized jointly by Institution of Engineering and Technology-UK (IET) and College of Engineering Pune (CoEP), 19-20th September 2009.
- **2007:** Biography is published in **“Who’s Who in the World 2007”**.
- **2005-06:** Received prestigious **“AICTE Career Award for Young Teachers (CYAT)”** of **Rs. 10.5. Lac** for the year 2005-06, from All India Council for Technical Education (AICTE), New Delhi INDIA.
- **2004:** Recipient of **“IAPR Travel Bursary Award of \$ 500”** from International Association of Pattern Recognition, UK, for Research paper presented in International conference on Pattern Recognition 2004, Cambridge U. K.
- **2004:** Recipient of **“100% Financial Support from AICTE”** to present research paper in IEEE ICPR 2004, at Cambridge U.K.
- Working as a **“Reviewer of Twenty International Journals”** and published 58 papers in reputed international/ national journals and conferences.
- **1990:** Received Rs. 100 as a scholarship for securing 2nd rank in polytechnic and overall 19th rank in Diploma in Maharashtra State.

10. No. of M. Tech Students Guided: 15

11. No. of Ph.D. Students Guided:

- a. Number of students completed Ph.D.: 8
- b. Number of students in progress.: 7

12. Teaching Areas/ Courses Prepared To Teach:

a. At undergraduate level:

- i. Feedback Control System
- ii. Network and Lines
- iii. Electronic Circuit Design
- iv. Digital Signal Processing
- v. Multimedia System

b. At postgraduate level:

- i. Computer Vision
- ii. Fuzzy Logic
- iii. Digital Image Processing

13. Research Publications:

Refereed Journals:

- [1]. **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji, "Texture image retrieval using new rotated complex wavelet filters," *IEEE Trans. Systems, Man, and Cybernetics- Part B*. Vol.35, No.6, pp. 1168-1178, Dec 2005. **(Impact Factor 3.007)**
- [2]. **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji, "Rotation invariant texture image retrieval using rotated complex wavelet filters," *IEEE Trans. On System, Man and Cybernetics Part-B.*, Vol. 36(6), pp.1273-1282, Dec 2006. **(Impact Factor 3.007)**
- [3]. **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji, "Cosine-modulated wavelet packet based texture features for content based image retrieval," *IETE Journal of Research*, Vol. 51, No.6, pp. 477-483, Nov-Dec 2005. **(Impact Factor 0.2)**
- [4]. **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji , "Texture image retrieval using rotated wavelet," *Pattern Recognition Letter*, Vol. 28, pp.1240-1249, May 2007. **(Impact Factor 1.7)**
- [5]. **Manesh Kokare**, B.N. Chatterji and P.K. Biswas, "Cosine-modulated wavelet based texture features for content based image retrieval," *Pattern Recognition Letter*, Vol. 25 (4), pp. 391-398, March 2004. **(Impact Factor 1.7)**
- [6]. **Manesh Kokare**, B.N. Chatterji, and P.K. Biswas, "A survey on current content-based image retrieval methods," *IETE Journal of Research*, Vol.48, no.3&4, pp.261-271, May-Aug 2002. **(Impact Factor 0.2)**
- [7]. Sushma Kejgir and **Manesh Kokare**, "Optimization of Bit Plane Combination for Efficient Digital Image Watermarking," *International Journal of Computer Science and Information Security*, Vol. 4, Aug 2009. **(Impact Factor 0.123)**
- [8]. Lenina Birgale and **Manesh Kokare**, "A Survey on Iris Recognition", ICFAI University Journal of Electrical and Electronics Engineering, Vol.2, No. 4, pp. 7-26, October 2009.
- [9]. M. S. Shiradhonkar and **Manesh Kokare**, "Document Image Retrieval: An Overview," *International Journal of Computer Applications*, 1(7), pp. 128-133, Feb 2010.
- [10]. Pushpa Patil, **Manesh Kokare**, "Relevance feedback in Content-based image retrieval: a Review", *Journal of Applied Computer Science and Mathematics*, Suceava, Romania, Issue No.8.Nov.2010.
- [11]. M.S.Shirdhonkar and **Manesh Kokare**, "Discrimination between printed and handwritten text in document", *International Journal of Computer Application (Special Issue on Recent Trends in Image Processing and Pattern Recognition)*, pp. 131-134, 2010.
- [12]. Lenina Birgale and **Manesh Kokare**, "Iris Recognition Without Iris Normalisation," *Journal of Computer Science* ,vol.6,issue 9, pp. 1042-47, ,2010.
- [13]. S D Bharkad and **Manesh Kokare**, "Sine Transform Based Finger Print Matching,"

International journal of Power, Control, Signal and Computation (IJPCSC), Vol.II, 2010.

- [14]. M. S. Shirdhonkar and **Manesh Kokare**, “Off-Line Handwritten Signature Retrieval using Curvelet Transforms,” *IJCSI International Journal of Computer Science Issues*, 8 (8), 2010.
- [15]. M. S. Shirdhonkar and **Manesh Kokare**, “Off-Line Handwritten Signature Identification Using Rotated Complex Wavelet Filters,” *IJCSI International Journal of Computer Science Issues*, Vol. 8, Issue 1, pp. 478-482, January 2011.
- [16]. Sangita D. Bharkad, and **Manesh Kokare**, “Performance Evaluation of Distance Metrics: Application to Fingerprint Recognition,” *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)*, 25 (6): pp.777-806, 2011.
- [17]. Sangita D. Bharkad and **Manesh Kokare**, “Hartley Transform Based Fingerprint Matching,” *Journal of Information Processing*, 8 (1): pp.85-100, March 2012.
- [18]. Sangita D. Bharkad and **Manesh Kokare**, “Rotated Wavelet Filters Based Fingerprint Recognition,” Accepted for publications in *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)*, 26(3), May 2012.
- [19]. Lenina Birgale and **Manesh Kokare**, “Comparison of Color and Texture for Iris Recognition,” *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)*, 26(3), pp,May 2012.
- [20]. Lenina Birgale and **Manesh Kokare**, “Iris Recognition using Ridglets,” *Int Journal of Korea Information Processing Society (KIPS)*, April 2012.
- [21]. Sangita D. Bharkad and **Manesh Kokare**, “Modified FFT features for fingerprint matching” *International journal of Signal and Imaging Systems Engineering*, 6(3), pp.150-157, 2013.
- [22]. Sushma Kejgir and **Manesh Kokare**, “Semi-Blind Digital Image Watermarking Algorithm using Complex Number Principle Approach,” *Journal of Information Processing Systems*, Sept 2015.
- [23]. Jayant Jagtap and Manesh Kokare, “Human age classification using facial skin aging features and artificial neural network,” *Cognitive Systems Research*, 40 (2016), pp116.128, May 2016.
- [24]. Jayant Jagtap and Manesh Kokare, “Human age classification using appearance features and artificial neural network,” *International Journal of Biometrics* (In Press), June 2016.
- [25]. Nilesh Bhosle and Manesh Kokare, “A Heuristic Optimization Approach for Semantic based Image Retrieval using Relevance Feedback,” *International Journal of Applied Pattern Recognition*, in press, June 2016.

Papers Published in Conferences:

- [26] **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji, “Rotation invariant texture features using rotated complex wavelet for content based image retrieval,” *Proc. of IEEE International Conference on Image Processing (ICIP) 2004*, pp. 393-396, 24th – 27th Oct 2004, Singapore.
- [27] **Manesh Kokare**, P.K. Biswas, and B.N. Chatterji, “Rotated complex wavelet based texture features for content based image retrieval,” *Proc. Of IEEE International Conference on Pattern Recognition (ICPR) 2004*, pp. 652-655. 23rd- 26th Aug. 2004, Cambridge (U.K.).
- [28] **Manesh Kokare**, B.N. Chatterji, and P.K. Biswas, “Rotated wavelet based texture features for content based image retrieval,” *Proc. 5th International Conference on Advances in Pattern Recognition (ICAPR 2003)*, pp. 243- 247 , 10th –13th Dec 2003, Kolkata (INDIA).
- [29] B.N. Chatterji, **Manesh Kokare**, A. Adhipathi Reddy, Rajib Kumar Jha, “Wavelets for content based image retrieval and digital watermarking for multimedia application,” *Proc. Fourth International Conference on Information, Communications & Signal Processing -Fourth IEEE Pacific-Rim Conference On Multimedia (ICICS-PCM 2003)*, pp. 812-816, 15th -18th December 2003, Singapore.
- [30] **Manesh Kokare**, B.N. Chatterji and P.K. Biswas, “Comparison of similarity metrics for texture image retrieval,” *Proc. IEEE TENCON Conference*, pp. 571-575, 15th-17th Oct 2003, Bangalore.
- [31] **Manesh Kokare**, B.N. Chatterji and P.K. Biswas, “Wavelet transform based texture features for content based image retrieval,” *Proc. 9th National Conference on Communications (NCC 2003)*, pp. 443-447, 31st Jan- 2nd Feb 2003, Chennai (INDIA).
- [32] **Manesh Kokare**, B.N. Chatterji, and P.K. Biswas, “M –band wavelet based texture features for

- content-based image retrieval,” in *Proc. of Indian Conference on Vision, Graphics and Image Processing (ICVGIP 2002)*, pp.173-178, Dec 2002, Ahemadabad (INDIA).
- [33] **Manesh Kokare**, B.N. Chatterji and P.K. Biswas, “Dimensionality reduction of tree structured wavelet transform texture features for content based image retrieval,” in *Proc. Seventh International Conference on Control, Automation, Robotics and Vision (ICARCV 2002)*, Vol.3, pp. 1647-1652, 2nd-5th Dec 2002, Singapore.
- [34] Mahagaonkar Renuka, **Manesh Kokare**, D. D. Doye, “Optimization of Weight Factors (α) for Binary Image Data Hiding,” in *Proc. Of National Conference on Electrical Engineering (NCEED)*, Vishakhapatnam, June 2005.
- [35] Lenina Birgale, **Manesh Kokare**, and Dhramapal Doye, “Colour and Texture Features for Content Based Image Retrieval,” *IEEE International Conference on Computer Graphics, Imaging and Visualisation*, 26-29 July 2006, Sydney, Australia.
- [36] Swati Kamthekar, D. D. Doye, **M. B. Kokare**, “Sports Summarization Methods,” *Technical Symposium, Government College of Engineering, Aurangabad*, pp. 174-176, Jan 23-24, 2006.
- [37] **Manesh Kokare**, “CT image retrieval using wavelet transform,” *Proc. IEEE- International Conference on Signal and Image Processing*, pp.344-347, Vol.1, 7-9 Dec 2006, Hubli, India.
- [38] S. G. Kejgir and **Manesh Kokare**, “A Wavelet-Based Good Fidelity Digital Image Watermarking using Subband Threshold Computing,” *Proc. IEEE- Int. Conference on Signal and Image Processing*, pp.8-13, Vol.1, 7-9 December 2006, Hubli, India.
- [39] **Manesh Kokare**, “CT image retrieval using M-Band wavelet transform,” *National conference on Emerging Trends in Signal Processing and Communication ETSPC* , pp. 411- 415, Dec 27-29, 2007, MAE Alandi, Pune, India.
- [40] **Manesh Kokare**, “ CT image retrieval using Tree Structured Cosine Modulated Wavelet Transform,” *Proc. IEEE- International Conference on Digital Image Processing*, pp.159-162, 7-9 March 2009, Bangkok, Thailand.
- [41] Lenina Birgale and **Manesh Kokare**, “Iris Recognition Using Discrete Wavelet Transform”, *Proc. IEEE- International Conference on Digital Image Processing*, pp.147-141, 7-9 March 2009, Bangkok, Thailand.
- [42] Rajeshree Rokade, Dharmapal Doye and **Manesh Kokare**, “Hand Guesture Recognition by Thinning Method”, *Proc. IEEE- International Conference on Digital Image Processing*, pp.284-287, 7-9 March 2009, Bangkok, Thailand.
- [43] Ulka S. Rokade, Dharmapal Doye and **Manesh Kokare**, “Hand Guesture Recognition Using Object Based Key Frame Selection”, *Proc. IEEE- International Conference on Digital Image Processing*, pp.288-291, 7-9 March 2009, Bangkok, Thailand.
- [44] M.S.Shirdhonkar and **Manesh Kokare**, “Labeling of Signature in Scanned Document images” proceeding of *National Seminar on Recent Trends in Image Processing and Pattern Recognition*, held at Bidar, pp. 42-44, Feb.15-16, 2010.
- [45] M.S.Shirdhonkar and **Manesh Kokare**, “Off-Line Handwritten Signature Identification using Dual Tree Complex Wavelet Transforms”, proceeding of *4th International Conference Computer Application in Electrical Engineering-Recent Advances, held at Indian Institute of Technology, Roorke* , pp.40. Feb. 2010.
- [46] Pushpa Patil, and **Manesh Kokare**, “Relevance feedback in image retrieval” proceeding of national seminar on recent trends in image processing and pattern recognition. Feb.15 16, 2010, pp. 37-41 Bidar (Karnataka).
- [47] Pushpa Patil, and **Manesh Kokare**, “Relevance feedback in Content-based image retrieval” Proceeding of *4th International Conference Computer Application in Electrical Engineering-Recent Advances*. Feb. 19 to 20, 2010, pp. 40, IIT Roorke.
- [48] S. G. Kejgir, M. R. Banswakar, and **Manesh Kokare**, “Robust Digital Image watermarking Using M-band Wavelet transform and Subband Threshold computing”, *Int. Conference on Advances in Computing*, pp.371-374, 21 Feb.2008.
- [49] S. G. Kejgir, M. R. Banswakar, and **Manesh Kokare**, “Digital Image Watermarking: A Technical Review”, *Int. Conference on Emerging Technologies and Applications in Engg., Tech. and Sciences*, , pp.704-708, 13 Jan. 2008.
- [50] S. G. Kejgir, M. R. Banswakar, and **Manesh Kakore**, “Comparative Study of Wavelets for Good Fidelity and Robust Digital Image Watermarking”, *IEEE Int. Conference cognition and Recognition*, pp.362-366, 10-12 April 2008.

- [51] Lenina, Birgale, and **Manesh, Kokare**, “Iris Recognition Without Iris Normalisation,” Proceeding of Indian Conference on Computer Vision, Graphics, Image and Video Processing, ICCVGIVP09, pp. 249-51, Mar 13 -14, 2009, Nagpur, India.
- [52] **Manesh Kokare**, “CT Image Retrieval Using Dual Tree Complex Wavelet Packet Transform,” Proc. IEEE- International Conference on Digital Image Processing, pp.288-291, 7-9 Feb 2010, Singapore.
- [53] S D Bharkad and **Manesh Kokare**, “Survey on Current Finger Print Matching Methods,” Proc. Of International Conference on Computer Networks and Security, pp.35-355, 2008.
- [54] S D Bharkad and **Manesh Kokare**, “Comparison of Transform Based Features for Finger Print Matching,” *Proc. Of IEEE International Conference on Electronic Design and Signal Processing*, December 2009.
- [55] S D Bharkad and **Manesh Kokare**, “Sine Transform Based Finger Print Matching,” Proc. of International Conference on Information Science and Applications, pp. 56-59, Feb 2010.
- [56] Sangita Bharkad and **Manesh Kokare**, “Fingerprint Matching Using M-Band Wavelet Transform,” *IEEE-International Conference On Advances In Engineering, Science And Management (ICAESM -2012)*, pp.26-32, March 30, 31, 2012.
- [57] Swati Kamthekar and **Manesh Kokare**, “Replay Detection,” *Proceedings of the National Conference “NCNTE-2012” Mumbai*, pp. 48-52, Feb. 24-25, 2012.
- [58] Pushpa Patil and **Manesh Kokare**, “Texture Image Retrieval using Greedy Method,” Accepted for Publication in *International conference on Advances in Computing*, 4th- 6th July 2012, Bangalore, India.
- [59] Sangita Bharkad and **Manesh Kokare**, “Fingerprint Matching using Discrete Wavelet Packet Transform,” Proc. IEEE 3rd International of Advanced Computing Conference (*IACC -2013*), pp. 1183-1188, February 22-23, 2013.
- [60] M.S.Shirdhonkar and **Manesh Kokare**, “Offline Hand-Written Signature Retrieval,” *ACM, Proceedings of the CUBE International Information Technology Conference*, pp.290-293, 2012.
- [61] Jayant Jagtap and **Manesh Kokare**, “Human Age Classification using 2-D Real dual Tree Discrete Wavelet Transform,” *Proc. Of National Conference on Communication and Networking Technologies*, pp. 47-50, March 15-16, 2013, Nanded.
- [62] Nilesh Bhosale and **Manesh Kokare**, “Ä relevance feedback approach for semantic based image retrieval,” *Proc. Of National Conference on Communication and Networking Technologies*, pp.17-20, March 15-16, 2013, Nanded.
- [63] Aarti Manjramkar and **Manesh Kokare**, “A Rule Based Expert System for Microaneurysm Detection in Digital Fundus Images,” *In proc. of IEEE International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT), New Delhi March 2016*.
- [64] Jayant Jagtap and **Manesh Kokare**, “Human Age Classification using Facial Skin Analysis and Multi-Class Support Vector Machine,” *in Proc. of IEEE International Conference on Signal and Information Processing (IconSIP-2016)*, pp. 73-77, 6th -8th Oct 2016.
- [65] Nilesh Bhosle and **Manesh Kokare**, “Random Forest Based Long-term Learning for Content Based Image Retrieval,” *in Proc. of IEEE International Conference on Signal and Information Processing (IconSIP-2016)*, pp. 178-181, 6th -8th Oct 2016.
- [66] Ravi Kamble and **Manesh Kokare**, “Automatic Blood Vessel Extraction Technique using Phase Stretch Transform in Retinal Images,” *in Proc. of IEEE International Conference on Signal and Information Processing (IconSIP-2016)*, pp. 276-280, 6th -8th Oct 2016.
- [67] Janabai Parekar, Prasanna Porwal and **Manesh Kokare**, “Automatic Retinal Image Registration using Fully Connected vascular Tree,” *in Proc. of IEEE International Conference on Signal and Information Processing (IconSIP-2016)*, pp. 316-319, 6th -8th Oct 2016.
- [68] Prasanna Porwal and **Manesh Kokare**, “A Novel Method to Remove Bright Artifacts for Enhancing Lesion Detection in Retinal Images,” *in Proc. of IEEE International Conference on Signal and Information Processing (IconSIP-2016)*, pp. 207-210, 6th -8th Oct 2016.

Book Chapters:

- [69]. Sangita Bharkad and **Manesh Kokare** “Fingerprint Identification: Ideas, Influences, and Trends of the New Age,” *Pattern Recognition , Machine Intelligence, and Biometrics, Edited by Patrick S P Wang, Springer Publications, Chapter 17*, pp. 411-439, 2011.
- [70]. Lenina Birgale and **Manesh Kokare** “Recent Trends in Iris Recognition,” *Pattern Recognition , Machine Intelligence, and Biometrics, Edited by Patrick S P Wang, Springer Publications, Chapter 29*, pp. 785-793, 2011.

14.Foreign University Visit Details:

| Name of Overseas University visited | Duration | Agency which sponsored the visit | Purpose of visit/ Brief objective of the work done | Achievement/Outcome |
|---|--|--|---|--|
| UTP Malaysia | 1 st to 7 th August 2016 | Invited by UTP | Preparing Joint Proposal and other collaborative Research Activities. | Prepared five proposals for international funding and Identified opportunities for students exchange for 2016-17. |
| NTU, Singapore | 29th-30th Aug 2013 | TEQIP | To visit Signal and Image Processing Laboratory | Got exposure with State-of-the- art Laboratory. |
| UTP, Malaysia | 23rd-28th August 2013 | TEQIP | For attending 2 short courses and signing MoU with UTP Malaysia. | Signed MoU with UTP for research collaboration. |
| University of California, USA | 15th Aug 2011 To 14th Sept 2012 | Department of Science and Technology, Govt. of India | Post Doctoral Research | Developed three New Algorithms in Diabetic Retinopathy |
| University of Iowa, USA | 19th Aug 2012 To 23rd Aug 2012 | Department of Science and Technology, Govt. of India | To interact with researchers in medical imaging | Delivered invited talk and got hands on experience on capturing the fundus retinal images. |
| Singapore | 27 th Feb 2010 To 1 st March 2010 | AICTE Carrier Award for Young Teacher | For presenting research paper and chairing the session | Presented research paper in IEEE ICDIP 2010 and chaired one session of that conference. |
| Bangkok | 7 th March 2009 To 9 th March 2009 | AICTE Carrier Award for Young Teacher | For presenting research paper | Presented research paper in IEEE ICDIP 2009. |
| University of California Santa Barbara, USA | From 21 th Jan 2008 To 23 rd Jan 2008 | AICTE Carrier Award for Young Teacher | Attending Workshop | Attended workshop on Bio Image Processing. |
| Cambridge University U. K. | From 21 st Aug 2004 To 24 th Aug 2004. | AICTE, New Delhi | For presentation of Research paper in IEEE ICPR 2004 | Presented research paper in ICPR 2004 conference. Also got "Travel Bursary Award of \$500" for the same paper from International Association of Pattern Recognition. |

14. Conference Activity/ Participation:

| Sr. No. | Name of the Conference | Organiser/Location | Dates | |
|---------|--|--|-------------------------------|-------------------------------|
| | | | From | To |
| 1 | TEQIP II: Best Policies and Practices | SPFU , IEQIP II and SGGSI&T Nanded | 10 th January 2014 | 11 th January 2014 |
| 2 | IEEE International Conference on Digital Image Processing 2010 | IEEE Computer Society, Singapore | 27th Feb 2010 | 1st March 2010 |
| 3 | IEEE International Conference on Digital Image Processing 2009. | IEEE Computer Society, Bangkok, Thailand | 7 th March 2009 | 9 th March 2009 |
| 4 | International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences | Saurashtra University Rajkot | 13 th January 2008 | 14 th January 2008 |
| 5 | IEEE International Conference on Signal and Image Processing 2006 | BVB College Hubli, India | 8 th Dec 2006 | 10 th Dec 2006 |
| 6 | IEEE International Conference on Pattern Recognition 2004. | University of Surrey, Cambridge, U. K. | 23 rd Aug 2004 | 26 th Aug 2004 |
| 7 | International Conference on Advances in Pattern Recognition | Indian Statistical Institute, Kolkata, India | 16 th Dec 2003 | 18 th Dec 2003 |
| 8 | IEEE TENCON 2003 | Indian Institute of Science, Bangalore, India | 16 th Oct 2003 | 18 th Oct 2003 |
| 9 | NCC 2003 | Indian Institute of Technology, Chennai, India | 31 st Jan 2003 | 2 nd Feb 2003 |
| 10 | ICVGIP 2002 | Indian Research and Space Organization, Ahmadabad, India | 16 th Dec 2002 | 18 th Dec 2002 |

15. Short Term Courses/ Workshop Participation:

| Sr. No. | Name of the Program | Organized By | Sponsored by | Duration | Dates |
|---------|---|---|---------------|----------|---|
| 1 | Management Capacity Enhancement Programme | Indian Institute of Management (IIM), Udaipur | TEQIP-II | 1 Week | 4 th April-9 th April , 2016 |
| 2 | AICTE sponsored Two Weeks Faculty Development Program on Multirate Signal Processing and Wavelets | SGGSIE&T Nanded | AICTE | 2 Weeks | 29 th June to 10 th July 2015 |
| 3 | Mathematical and Statistical Foundation to Signal and Image Processing | SGGSIE&T Nanded | CoE-TEQIP II | 2 weeks | 28 th May to 6 th June 2015 |
| 4 | Wavelets and its Application | SGGSIE&T Nanded | CoE-TEQIP- II | 1 Week | 8 th -12 th Dec 2014 |

| | | | | | |
|----|--|---|--|---------|--|
| 5 | Three Days Workshop on Thermography | I Tech Solution Pune | TEQIP- II | 3 Days | 10 th -12 th Nov 2014 |
| 6 | Three Days Workshop on “Training and Identification of Master Trainers and Educators on Outcome Based Accreditation Process and Parameters | SGGSIE&T Nanded | TEQIP-II | 3 Days | 21 st -23 rd March 2014 |
| 7 | Winter School on Biometrics for Secured Authentication: Fundamentals and Advances | SGGSIE&T Nanded | TEQIP-II | 1 Week | 23 rd - 27 th Dec 2013 |
| 8 | Workshop on Biodesign | SGGSIE&T Nanded | TEQIP-II | 2 Days | 8 th -9 th Aug 2013 |
| 9 | IETE Approved National Level One Week STTP on “Wavelets” | Sinhgad Institute of Technology and Science Narhe Pune | IETE | 1 Week | 13 th -18 th Dec 2012 |
| 10 | International Workshop on Digital Image Video Analytics | IIT Madras | TEQIP | 2-Days | 21 st -22 nd Dec 2012 |
| 11 | IEEE National Level Workshop on Wavelets and Applications | S G G S Institute of Engineering and Technology, Vishnupuri, Nanded | IEEE Signal Processing Chapter, Bombay Section | 3-Days | 8 th -10 th June 2009 |
| 12 | Capacity Building Program for World Class Institution | Sinhgad Institute of Engineering Lonavala | TEQIP | 4 Days | May 2008 |
| 13 | International Workshop on Bioimage informatics, Biological Imaging, Computer Vision and Data Mining. | University of California, Santa Barbara, USA | AICTE | 3 Days | 17 th -18 th January 2008 |
| 14 | Short Term Training Program on “Advanced Project Management Using MS-Project and Primavera | S G G S Institute of Engineering and Technology, Vishnupuri, Nanded | TEQIP | 4 Days | 11 th -14 th December 2007 |
| 15 | Staff development Programme on Advanced Digital Signal Processing | Sinhgad College of Engineering Pune | AICTE | 2 Weeks | 3 rd -13 th December 2007 |
| 16 | TEQIP Workshop on “Intellectual Property Rights” | S G G S Institute of Engineering and Technology, Vishnupuri, Nanded | TEQIP | 2 Days | 13 th -14 th August 2006 |

| | | | | | |
|----|---|---|------------|--------|---|
| 17 | AICTE Sponsored Two weeks Induction Programme on “New Concepts, Methods and advanced Techniques in Speech Processing, Image Processing and Pattern recognition” | S G G S Institute of Engineering and Technology, Vishnupuri, Nanded | AICTE | 2 Week | 15 th -26 th May 2006 |
| 18 | TEQIP Short Term Training Programme on “Recent Trend in Signal and Image Processing”. | S G G S Institute of Engineering and Technology, Vishnupuri, Nanded. | TEQIP | 3 Days | 16 th -18 th January 2006. |
| 19 | TEQIP Management Development Programme on “Personal Effectiveness for Institutional Development”. | Welingkar’s MDP, Mumbai | TEQIP | 3 Days | 23 rd to 25 th January 2006 |
| 20 | QIP STTP on “Image and Video Processing for Multimedia Applications”. | E & ECE Dept. I.I.T. Kharagpur | QIP | 2 Week | 19 th Nov-30 th Nov 2001 |
| 21 | ISTE Approved STTP on “Water Management: Basic Principles and Interdisciplinary Approach”. | CWM Dept. S.G.G.S. College of Engg. & Tech Vishnupuri Nanded | ISTE | 2 Week | 25 th June – 7 th July 2001 |
| 22 | ISTE Approved STTP on “Neural Network and Fuzzy logic: Theory and Applications.” | Instrumentation Engg Dept., S.G.G.S. College of Engg. & Tech. Vishnupuri, Nanded. | ISTE | 2 Week | 11 th – 23 rd June 2001 |
| 23 | Short Term Training Programme on “Programming with C and C++” | EC/CSE Dept., S.G.G.S. College of Engg. & Tech. Vishnupuri, Nanded. | ISTE | 3 Week | 29 th June-19 th July 2000 |
| 24 | ISTE Approved STTP on “System Engineering” | CWM Dept. S.G.G.S. College of Engg. & Tech Vishnupuri Nanded | ISTE | 2 Week | 18 th – 28 th June 2000 |
| 25 | AICTE sponsored ISTE STTP on “Digital Signal and Image Processing” | EC/CSE Dept., S.G.G.S. College of Engg. & Tech. Vishnupuri, Nanded | AICTE/ISTE | 2 Week | 5 th -17 th June 2000 |
| 26 | Q I P short Term Training Programme on “Safety in Metallurgical Industries” | Production Engg. Dept., S.G.G.S. College of Engg. & Tech. Vishnupuri, Nanded | AICTE | 1 week | 17 th To 23 rd June 1996 |

16. Research Consultancy/ Training Offered

| Sr. No. | Year | Brief Description of Activity | Revenue Generated |
|----------------|-------------|---|--------------------------|
| 1. | 2015 | Two Days Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 11-12 th April 2015. | |
| 2. | 2014 | One Week STTP on “Wavelets and its Applications” on 8 th -12 th December 2014 | Rs 1,59,000/- |
| 3. | 2010 | One day Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 23 rd January 2010. | Rs. 83,750/- |
| 4. | 2010 | Second one day Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 20 th March 2010. | Rs. 28,250/- |
| 5. | 2009 | IEEE National Level Workshop on Wavelets and Applications, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 8 th -10 th June 2009. | Rs.1.6 Lakh |
| 6. | 2006 | A Short Term Training Program on “Recent Trends in Signal and Image processing” for Engineering Faculty members under TEQIP at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 16-18 th Jan 2006. | 1.56 Lakh |
| 7. | 2006 | AICTE Sponsored Staff Developments Two weeks Induction Program on “New Concepts, Methods, and Advanced Techniques in Speech Processing, Image Processing, and Pattern Recognition” 15-25 th May 2006. | AICTE sponsored |
| 8. | 2006 | Two Day’s Workshop on “Intellectual Property Right” under Technical Education Quality Improvement Program at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 13-14 th Aug 2006. | TEQIP Sponsored |

17. Invited Talks at International level:

- a. Invited research talk delivered on, " Content Based Image Retrieval: Applications to Texture and Retinal Image Retrieval," at University of Iowa, USA, 23rd August 2012.
- b. Invited talk on, “Wavelet Based Features for Texture Image Retrieval,” at University of California Santa Barbara, California State, USA, on 18th Nov 2006.
- c. Invited talk delivered on, “Wavelet Based Features for Texture Image Retrieval,” at Computer Vision Center, University De Autonoma, Barcelona, Spain, 20th June 2006.
- d. Invited talk on, “Wavelets and its application to Satellite Image Processing,” at Institute De Cartographic, Catalonia, Barcelona, Spain, 29th June 2006.

18. Invited Talks at National level:

1. Invited talk on “Research Opportunities in Image Processing” in 2016 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE 2016) is hosted by “All India Shviiji Memorial Society’s Institute of Information Technology”, Pune, Maharashtra, India during December 19-21, 2016.

2. Invited Talk on “Wavelets and its Applications ” in one Week STTP Aspects of MATLAB Tools in Communication ,Control and Signal Processing with Simulink at JNEC Aurangabad on 2nd December 2016.
3. Conducted Two Week STTP on “Wavelets and Machine Learning” at K J Somaiya College of Engineering Mumbai, during 15th-25th Nov 2016.
4. Invited talk in Two Days National Workshop on Wavelet Transform and its Application in Signal Processing at IPS Academy, Indore on 5th Nov 2016.
5. One Day workshop on “Research Methodology” at PES College of Engineering Aurangabad on 20th August 2016.
6. Invited talk in One Week STTP on “Application of Computer Vision and Machine Learning” at Sinhgad College of Engineering, Kondhwa Pune, from 2nd March to 6th March 2016.
7. Invited talk on “Fundamentals of Image Processing and Wavelet Transform” in two days’ Workshop in “Advances in Image and Signal Processing” at JSPM Narhe Technical Campus during 4th and 5th March 2016.
8. One Day workshop on “Research Methodology” at Sinhgad Academy of Engineering, Kondhwa, Pune on 7th June 2016.
9. Expert Talk on “Research Paper Writing” at NBN Sinhgad School of Engineering, Ambegaon Pune on 8th June 2016.
10. Tutorial session on “Design of Rotated Wavelets and its Applications” in IEEE International Conference on Advances in Signal Processing organized by Cummins College of Engineering Pune on 9th June 2016.
11. Expert talk on “Wavelet Transform” at Chh. Shahu College of Engineering Aurangabad on 10th June 2016.
12. Conducted Two Days Workshop on “Wavelet Theory “at Government College of Engineering Aurangabad 12th- 13th April 2016.
13. Expert lecture in AICTE Sponsored Two Week STTP on “Selected Topics in Signal Processing and Machine Intelligence with Hands-on” at College of Engineering Pune on 26th May 2016.
14. Conducted One Week STTP on “Wavelets and its Application” at Yashwantrao Chavan College of Engineering Nagpur, during 28th April to 4th May 2016.
15. Conducted Two Days Workshop on “Multi-rate , Wavelet Transform and its Applications” at K J Somaiya College of Engineering Vidyavihar Mumbai, during 18th-19th March 2016.
16. Guest lecture on “Pattern Recognition” at College of Engineering Pandharpur on 25th- 26th March 2016.
17. Key note address on “Recent Advances in Image Processing” in 3rd National Conference on ACCET- Advancement in Communication, Computing, and Electronics Technology, at MES CoE Pune on 11th Feb 2016.
18. Key note Address on “Opportunities and Challenges in Image Processing” in Third National Conference Communication Computing and Networking 2016 at MES College of Engineering Pune, on 12th February 2016.
19. Invited talk on 1 Days workshop on “Mathematical Modelling in Signal Processing” at RMD Sinhgad School of Engineering, Warje, Pune, on 29th Jan 2016.
20. Invited talk on 2 Days workshop on “Pattern Recognition and its Application” at Sanjeevani Education Societies College of Engineering Kopargaon on 22-23rd January 2016.
21. Two Days workshop on “Effective Research Methodology “at Hi Tech Engineering College Aurangabad on 10-11th January 2016.
22. Invited talk on “Intelligent Computing Algorithm and Applications”, at MIT College of Engineering Pune, on 3rd Dec. 2015.
23. Invited Talk at Faculty Development Program on, “Effective Research Methodology”, at Bapurao Deshmukh College of Engineering, Sewagram, Wardha, on 22nd Nov. 2015.

24. Invited talk on “Image Transforms”, at Shri Ramdeobaba College of Engineering & Management, Nagpur, on 9th Oct. 2015.
25. Invited talk on “Wavelet and Its Applications”, at Suresh Deshmukh College of Engineering Wardha, on 8th Oct. 2015.
26. Conducted One day workshop on “Pattern Recognition & its Applications” organized at G. H. Raisonni College of Engineering and management Wagholi, Pune, on 16th Sept. 2015.
27. Invited talk on “Wavelet and Its Applications”, at M. S. Bidve College of Engineering Latur, on 7th Sept. 2015.
28. Conducted Two Days workshop on “Effective Research Methodology” at S V College of Engineering Tirupati on 21-22nd July 2015.
29. Invited talk on “Research Opportunities in Speech & Image Processing”, at Mukesh Patel School of Technology Management & Engineering, Mumbai on 17th July 2015.
30. Invited talk on, “Wireless Sensors and Networks” at The Institution of Electronics and Telecommunication Engineers Pune centre, Pune, on 1st – 2nd Aug. 2015.
31. Invited talk on “Image Processing”, at All India Shri Shivaji Memorial Society’s Institute of Information Technology, on 24th Aug. 2015.
32. Short Term Training Program on, “Advanced Techniques in Research Methodology”, at Sharad Institute of Technology college of Engineering, on 23th – 24th June 2015.
33. Invited talk on “Trends in Signal Processing and its Industrial Application”, at Rajiv Gandhi College of Engineering, Nagpur, on 16th June. 2015.
34. Invited talk on “Machine Learning” at Sinhgad College of Engineering Pune, on 13th June 2015.
35. Invited talk on, “Research Methodology and issues”, at Dr. P. G. Halakatti College of Engineering and Technology, Bijapur, on 8th June 2015.
36. Invited talk on, “Soft Computing”, at Sinhgad College of Engineering and Technology, Vadgaon, Pune, on 12th June 2015.
37. Invited talk on, “Teaching Pedagogy and Soft Skill” at Sharad Institute of Technology, Polytechnic, Ichalkaranji, on 12th May 2015.
38. Invited talk on “Wavelets and its Application in Computer Vision” at Yeshwantrao Chavan College of Engineering Nagpur, on 24th April 2015.
39. Invited talk on, “Research Methodology” at Maharashtra Institute of Technology, Pune, on 13th – 14th March, 2015.
40. Invited talk on, “Wavelets and Application using MATLAB” at Bharati Vidyapeeth’s College of Engineering for Women, Pune, on 7th – 8th March, 2015.
41. Invited talk on “Wavelets and its Application in Signal & Image Processing” at Sinhgad Academy of Engineering, Kondhwa, Pune, on 4th -8th Feb 2015.
42. Invited Talk on, “Research Methodologies” at S. B. Patil College of Engineering, Indapur, on 17th Jan. 2015.
43. Invited talk on “Research Methodology” at Karmaveer Baburao Ganpatrao Thakare College of Engineering on 15th Feb. 2014.
44. Invited talk on, “Interdisciplinary Applications of Digital Signal Processing” at G H Raisonni College of Engineering Wagholi Pune, on 23rd Jan 2014.
45. Invited talk on, “Research Methodology: Tools and Techniques” at Dr. J. J. Magdum College of Engineering Jaysingpur, Kolhapur, on 7th Jan 2014.
46. Invited plenary talk on “Modeling and Simulation in Engineering and Technology” at Godavari College of Engineering Jalgaon, on 16 Feb. 2014.
47. Conducted One week workshop on “Wavelets and Application” at Dr. P. G. Halakatti College of Engineering and Technology, Bijapur, on 9th – 13th June 2014.

48. Short Term Training Program on, "Research Methodologies in Engineering and Science" organized by Vishwakarma Institute of Information Technology, Pune, on 13th- 17th Sep. 2014.
49. Conducted two day Faculty Development Program on, "Research Methodology" at Deogiri Institute of Engineering and Management Studies, Aurangabad, on 28th – 29th Nov. 2014.
50. Invited Talk on "Literature Survey and Problem Formulation" at Bhivarabai Sawant College of Engineering & Research, Narhe, on 14th Nov.2014.
51. Invited Talk on "Wavelet Transform" at M. S. Bidve Engineering College, Latur, on 9th Nov.2014.
52. Invited talk on, "Research Methodology and LaTeX" at Annasaheb Dange College of Engineering & Tech., Ashta, Sangli, on 13th – 18th Oct. 2014.
53. Invited Talk on, "Image Processing and Machine Learning", at N. B. Navale Sinhgad College of Engineering, Solapur, on 24th – 26th Dec. 2014.
54. Short Term Training Program on, "Signal and Image Processing", organized by Zeal College of Engineering Pune, 15th- 19th April 2013.
55. Short Term Training Program on," Image Processing with Matlab," organized by MGMs College of Engineering Nanded, July 2013.
56. Invited Talk on, "Control System and its Applications", at Department of E & TC Engineering, Shram sadhana Bombay Trust's College of Engineering, Bambhori, on 28th Sept. 2013.
57. Invited talk on, "Digital signal Processing and Applications" at College of Engineering Bhambori, Jalgaon, on 28th Sept 2013.
58. Invited talk on "Image Processing and Wavelets" at Appa College of Engineering Gulbarga (Karnataka) on 21st Sept 2013.
59. Invited talk on "Wavelets and its Application" at BSWCOE Wagholi Pune, on 20th Sept 2013.
60. Invited Talk on" Wavelets" at College of Engineering Ramtek, 5th Sept 2013.
61. Invited talk on, "Signal & Image Processing with Wavelet" at Veermata Jijabai Technological Institute, Mumbai, on 16th – 20th Dec, 2013.
62. Invited Talk on, "Image Processing and Machine Learning", at Sinhgad College of Engineering, Vadgaon, Pune, on 3rd – 7th Dec. 2013.
63. Short Term Training Program on, "Wavelets and Application" organized by Sinhgad College of Engineering Narhe, Pune, 12th Dec- 16th Dec 2012.
64. Conducted Two days workshop on "Effective Research Methodology" organized at by R C Patel College of Engineering Shirpur, on 25-26th June 2011.
65. Conducted Two days workshop on "Effective Research Methodology" organized by ISTE Chapter of G H Raisoni College of Engineering Wagholi Pune, on 7-8th January 2011.
66. Conducted one day workshop on "Effective Research Methodology" at College of Engineering Kopargaon on 31st January 2010.
67. Conducted one day workshop on "Effective Research Methodology" at MIT College of Engineering Aurangabad on 6th February 2010.
68. Invited talk on "Application of Digital Image Processing" at Army Institute of Technology (AIT), Pune on 2nd June 2010.
69. Invited talk on "Wavelet based features for texture image" at Army Institute of Technology (AIT), Pune on 2nd July 2010.
70. Invited talk on "Wavelets and Content Based Image Retrieval" at Walchand College of Engineering, Sangli, on 15th Sept 2010.
71. Conducted Two days workshop on "Effective Research Methodology" organized by Symbiosis International University Pune, Dec 2010.

72. Invited talk on “Image Compression” in STTP organized by HiTech College of Engineering Aurangabad, 25th Nov 2009.
73. Invited talk on “Wavelets and its Applications” in STTP organized by G H Raison College of Engineering Pune, 26th Nov 2009.
74. Three Days Workshop on , “Signal and Image Processing” organized by Government College of Engineering Aurangabad, April 2007.
75. TEQIP sponsored short Term Training on “Signal and Image processing” organized by Rajaram Bapu College of Engineering Sakrale, 19-20 March 2007.
76. TEQIP sponsored short Term Training on “Signal and Image Processing” organized by Vikhe Patils College of Engineering Ahemadnagar March 2007.
77. TEQIP sponsored short Term Training on “Nonlinear Image Processing” organized by Kashibai Navale College of Engineering Pune April 2007.
78. TEQIP sponsored short Term Training on “Wavelets and its Application” organized by MAE Alandi College of Engineering Aug 2007.
79. Short Term Training on “Recent Trends in Information Technology” organized by BLDE’s College of Engineering Bijapur Oct 2007.
80. Invited talk on “Complex Wavelets and its Applications” in national level conference organized by D. Y. Patil College of Engineering Pune, Sept 2007.
81. TEQIP Short Term Training Programme on , “Recent Trends in Signal and Image Processing” Organised by SGGSI & T, Nanded during 16th – 18th Jan 2006.
82. National Workshop on, “Advances in Signal and Image Processing 2006” organized by J. N. T. University during 27th – 28th Feb 2006 at Kakinada (Andra Pradesh), India
83. National Workshop on, “Frontier Research Issues in Pattern Recognition and Image Processing,” organized by New Horizon College of Engg. Bangalore, 23-24th March 2006.
84. Two Days National Workshop on “Pattern Recognition and Image Processing: A Multidisciplinary Research Perspective,” Organized by K. B. N. College of Engineering, Gulbarga Karnataka, 15th -16th May 2006.
85. ISTE Short Term Training Programme on, “Advances in Signal Processing,” organized by College of Engineering Ambajogai, 3rd -15th July 2006.
86. Short Term Training programme on, “Image Processing” Organised by Academic Staff College, Dr. B. A. Marthwada University, Aurangabad during 05th –24th Dec 2005.
87. QIP Short Term Training Program on, “Image Processing and Multimedia Systems” organized by V. J. T. I. Mumbai during 7th June To 2nd July 2004 at Mumbai, India.
88. Workshop on, “Recent Trends and Advances in Image Processing” organized by J. N. T. University during 30th Dec To 31st Dec 2003 at Kakinada (Andra Pradesh), India.
89. QIP ISTE short-term training programme on “Image and Video Processing for Multimedia Applications” organized at Indian Institute of Technology Kharagpur, 19th -30 Nov 2001.

19. Expert Service To Profession:

- Working as reviewer for following international journals:
 1. IEEE Transactions on Image Processing, *IEEE Publications*.
 2. IEEE Transactions on System, Man, and Cybernetics-Part B, *IEEE Publications*.
 3. IEEE Transactions on System, Man, and Cybernetics-Part A, *IEEE Publications*.
 4. IEEE Transactions on Multimedia, *IEEE Publications*.
 5. IEEE Transaction on Circuits and Systems for Video Technology, *IEEE Publications*.
 6. Pattern Recognition Letter, *Elsevier Publications*.
 7. International journal of Image Vision and Computing, *Elsevier Publications*.
 8. International Journal on Pattern Analysis and Applications, *Springer Publications*.
 9. Signal Processing, *Elsevier Publications*.

10. Signal Processing Letter.
11. International Journal of Pattern Recognition and Artificial Intelligence, *World Scientific*.
12. International Journal of Digital Signal Processing, *Elsevier Publications*.
13. Journal of Medical System, *Springer Publications*.
14. Journal of X-Ray Science and Technology, *University of Oklahoma*.
15. Journal of Information Science, *Elsevier Publications*.
16. Image Science Journal, published by *Royal Photographic Society by Maney Publications*.
17. Computers and Electrical Engineering, *Elsevier Publications*.
18. Journal of Digital Imaging, *Springer Publications*.

- AICTE Expert Committee Member for evaluation of various research proposals submitted under various schemes.
- AICTE Expert Committee Member for approval of New Engineering Institutes.

20. Short Term Courses Conducted and Coordinated

1. TEQIP-II (CoE) sponsored Two Week Short term Training Program on “Mathematical and Statistical Foundation to Signal and Image Processing” at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 28th May to 6th June 2015.
2. Two Days Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 11-12th April 2015.
3. One Week STTP on “Wavelets and its Applications” on 8th-12th December 2014.
4. Two Days Workshop on "Bio-design" at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded in association with Stanford India Bio-design Center, AIIMS New Delhi, on 8th-9th August 2013.
5. One day Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 20th March 2010.
6. One day Workshop on Effective Research Methodology, at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, on 23rd January 2010.
7. IEEE National Level Workshop on Wavelets and Applications, at Shri Guru Gobind Singhji Institute of Engg. and Technology, Vishnupuri, Nanded, during 8th -10th June 2009.
8. Two Day’s Workshop on “Intellectual Property Right” under Technical Education Quality Improvement Program at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 13-14th Aug 2006.
9. AICTE Sponsored Staff Developments Two weeks Induction Program on “New Concepts, Methods, and Advanced Techniques in Speech Processing, Image Processing, and Pattern Recognition” 15-26th May 2006.
10. Short Term Training Program on “Recent Trends in Signal and Image processing” for Engineering Faculty members under TEQIP at Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded, during 16-18th Jan 2006

21. Research Projects Submitted/ Completed

- a. **Project Investigator** of "Center of Excellence in Signal and Image Processing" Received **Rs. 5 corers** from NPIU India through SPFU in 2013.
- b. Completed AICTE sponsored project, “Content Based Medical Image Retrieval” under Carrier Award for Young Teacher, Dec 2005-Dec 2008. (total Financial Support from AICTE is 10.5 Lakh)
- c. Co-Principal Investigator of AICTE sponsored research project on “Full Duplex Intelligent System for Blind and Deaf Person” Received Rs. 8.82 Lakh from AICTE under RPS, 2007.

22. Professional and Extracurricular Institute Activities

- a. **Program Chair** of IEEE International Conference on Signal and Information Processing (IConSIP-2016), jointly organized by IIT Bombay, College of Engineering Pune, S V College of Engineering Tirupati, and SGGIE&T Nanded at Nanded during 6th to 8th October 2016.
- b. **Publication Chair** of National Conference on Communication, Computing and Networking Technologies organized by SGGIE&T Nanded during 15th-16th March 2013.
- c. **Faculty Coordinator** of National Level Student's Technical Event "PRAGYAA 2009" held in March 2009.
- d. **Faculty Coordinator** of State Level Student's Technical Event "GenIT2K8" held in March 2008.

23. Community Involvement/ Ourtreach

- a. Delivered an invited talk on, "Carrier Opportunity after Tenth and Twelfth Standard Students," organized by Novodaya Vidyalaya Shankarnagar, Nanded, February 2008.
- b. Delivered an invited talk on, "Opportunities in Electronics Engineering," in Carrier Fair organized by Gramin Polytechnic Nanded, March 2009.

24. Administrative Responsibilities Held

- a. **Dean Research and Development** since 16th Aug 2016 to till date.
- b. **Coordinator**, "Center of Excellence in Signal and Image Processing" Sept 2013 to till date.
- c. **Professor In-charge** of "Innovation Laboratory" of institute from Sept 2012 to till date.
- d. Worked as **Controller of Examinations** from 2nd June 2008 to 6th June 2011 (Three Years).
- e. Worked as **Hostel Warden** from July 1999 to July 2001 (Two years).
- f. Worked as **Joint Chief Superintendent** for conducting Nov/ Dec 2000 SRTMU university examination at MGM's College of Engineering Center.
- g. Worked as First Year Admission Committee member for Marthwada zone from 1996 to 2001 (Six Years).

25. References:

1. Dr. P.K. Biswas
Professor (Ph.D. Supervisor)
Department of Electronics and Electrical Communication Engineering,
Indian Institute of Technology Kharagpur -721 302, (West Bengal) INDIA
Telephone: (off) + 91 3222 283506, (R) + 91 3222 283507 Mob: + 91 9434012899
Email: pkb@ece.iitkgp.ernet.in
2. Dr. B. N. Chatterji
Ex. Professor (Ph.D. Supervisor)
Department of Electronics and Electrical Communication Engineering,
Indian Institute of Technology Kharagpur -721 302
(West Bengal) INDIA, Telephone: (R) : +91 9831742495 Email: bnchatterji@gmail.com
3. Dr. B. S. Manjunath
(BOYSCAST Post Doc Fellowship Supervisor)
Professor and Vice-Chair, Department of Electrical and Computer Engineering,
Director, Center for Bio-Image Informatics, University of California
Santa Barbara, CA 93106, USA , Phone: +1 805- 893-7112 Email: manj@ece.ucsb.edu

Dr. Manesh B. Kokare