



Electronics Department



Prof. Manisha Ravindra Bansode

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- Contact: 9820962072
- Date of joining the present institute: 22nd January 2009

1. Education:

B.E. (Electronics Engineering)

M.E. (Electronics and Telecommunication Engineering)

Ph.D in (Electronics Engineering) pursuing

2. Area of Interest: Communication Engineering, Electronics Devices, Antenna Engineering

3. Courses Taught: Fundamentals of communication engineering, Electronic Devices, Analog electronics, Digital communication, Computer networks, Optical fiber communication, Mobile communication, Image processing and applications, Speech and Audio Processing.

4. Experience: 16 years

5. Professional affiliation: Lifetime ISTE membership.

6. Papers Published:

- 1) Ayush Asawa, Swapnil Dabre, Shravani , Rahise, Manisha Bansode, Kiran T. Talele, Priya Chimurkar, “Co-Mart - A Daily Necessity Price Comparison Application”, 2022 *International Conference on Applied Artificial Intelligence and Computing (ICAAIC)*, 09-11 May 2022.
- 2) Divit Kalathil, Vivek Kumar Mandal, Archis Gune, Kiran Talele, Priya Chimurkar, Manisha Bansode, “Self-Driving Car using Neural Networks”, 2022 *International Conference on Applied Artificial Intelligence and Computing (ICAAIC)*, 09-11 May 2022.
- 3) Divit Kalathil, Kuldeep Vaishnav, Aditya Tarade, Kiran Talele, Manisha Bansode," Microcontroller based Substation Disaster Monitoring System”, *proceedings of 2021*

Fifth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) Palladam, India, 11-13 Nov. 2021.

- 4) Arnav Chaudhari, Harsh Agrawal, Smiti Poddar, Kiran Talele, Manisha Bansode, "Smart Accident Detection and Alert System", *2021 IEEE India Council International Subsections Conference (INDISCON)*, 27-29 August 2021.
- 5) Neel Save, Omkar Thopate, Vaibhav Waghe, Manisha Bansode, Najib Ghatte, "Artificial Intelligence based Fake News Classification System" in *Proceedings of IEEE, 12th International Conference On Computing, Communication & Networking Technologies (ICCCNT) 2021*, 6th Jul, 2021-8th Jul, 2021, IIT Khargpur, India.
- 6) Kritesh Raikar, Vedant Sapte, Omkar Patil, Manisha Bansode, "Mitigation of Electromagnetic Interference in high speed circuits" in *Proceedings of IEEE, 12th International Conference On Computing, Communication & Networking Technologies (ICCCNT) 2021*, 6th Jul, 2021-8th Jul, 2021, IIT Khargpur, India.
- 7) Manisha R. Bansode, Rahul Dahatonde, Surendra S. Rathod, "Simultaneous Switching Noise Reduction in High-Speed Circuits", *IEEE International Conference on Communication information and Computing Technology (ICCICT)*, June 25-27, 2021, Mumbai, India.
- 8) Lance Fernandes, Prathamesh Dalvi, Akash Junnarkar, Manisha Bansode, "Convolutional Neural Network based Bidirectional Sign Language Translation System", *Third International Conference on Smart Systems and Inventive Technology (ICSSIT 2020)*, October 2020.
- 9) Sayli Shinde, Manisha Bansode, Pramod P. Bhavarthe, Surendra S. Rathod, "Suppression of SSN in High-Speed Circuits using 1-D EBG Structure", *The 11th International Conference on Computing, Communication And Networking Technologies (ICCCNT)*, July 1-3, 2020 -, November 2020.
- 10) Nihal S. Raut, Prafulla Solkar, Akash Yadav, Manisha Bansode, "Ensuring Fast and Safe train Operation with advancement using PLC interlocking", *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREIE)*, Volume VII, Issue 12, December 18.
- 11) Prathmesh Limaye, Sagar Khuteja, Rohan Mestri, Manisha Bansode, "Analysis of Feature Extraction and Classification Models for Lip-Reading", *International conference of Artificial Intelligence and information Technology (ICAIIT)*, 2019.
- 12) Pooja Babaji Said, Manisha Bansode, Dr. S.S. Rathod, Payal Shah, "Proportionate Study of Neuron Models for Implementation of Neural Encoder", *International conference on Electronics, Communication, and Aerospace technology [ICECA 2019]*.
- 13) Fahad Bilal, Manisha Bansode, Pramod Bhavarthe, Surendra Rathod, "Reduction of Signal Integrity Issues in Printed Circuit Board using Electromagnetics Bandgap Structure", *'International Journal of Recent Technology and Engineering (IJRTE)'* at Volume-8 Issue-1, May 2019.

- 14) Juhi Patil, Manisha Bansode, “Low profile UHF RFID tag antenna”, international Journal of Computer Engineering and Applications, Volume XII, Special Issue, May 18.
- 15) Shraddha Mayekar, Manisha Bansode, S. S. Rathod, Manisha Bansode, “An Automated Antenna Pattern Measurement System”, International Conference on Intelligent Computing and Control (I2C2),2017.
- 16) Ashish Mohanan, Sheryl Tuscano, Raj Shah, Manisha Bansode, “Smart Attendance System”,3rd International Conference on Electronics & Computing Technologies'16, (ICONECT '16), March 10-11,2016.
- 17) Manisha Bansode, Shivani Jadhav, Anjali Kashyap, “Voice Recognition and Voice Navigation for Blind using GPS,” in proceedings of International Journal of innovative research in electrical, electronics, instrumentation and control engineering, vol.3, Issue.4, pp.91-94, April2015.
- 18) M. R. Bansode and M.M.Parmar, “A Novel Approach for Improving Throughput of WSN by Access Protocol,” PISERJ, vol. 02, Issue 04/06 pp.026-028, July 2014.

7. Workshops/Refresher courses/Training programs/Seminars attended

1. Three Days workshop on “Satellite & Digital TV” organized by Department of Electronics & Telecommunication Engineering, Mukesh Patel School of Technology Vile Parle(W), Mumbai, during 8th May to 10th May 2010.
2. Two Week ISTE workshop on “Basic Electronics” conducted by IIT Bombay, during 28th June to 8th July2011.
3. One Day Course on “Technical Paper presentation” organized by Sardar Patel Institute of Technology, Andheri (W) July 2011.
4. Two Day Training on “Mentor Graphics VLSI Tools” organized by Sardar Patel Institute of Technology, Andheri (W) July 2011.
5. One Day Tutorial on “Circuit Simulation and Real Time Circuit Simulation” at International Conference on Communication, Information and Computing Technology” organized by Sardar Patel Institute of Technology, Andheri (W), 18th October 2012.
6. One Week STTP workshop on “NS-2: A Helicopter View” conducted by K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, during 5th Nov. to 9th Nov. 2012.
7. One Week CDEEP course on “Network Security” conducted by S.P.I.T and IIT Bombay, during 7th Aug to15th Nov. 2012.
8. Two Week ISTE workshop on “Analog Electronics” conducted by IIT Kharagpur, during 4th June to 14th June2013.
9. One Day “Engineering and Science Innovation Summit” conducted by National Instruments, 21st August 2014.

10. One Week AICTE (under QIP) course on “RF Circuit Design” organized by Department of Electrical Engineering, VJTI, during 9th Feb to 13th Feb 2015.
11. Two-week AICTE approved FDP on Electronic System Design: from Devices to Applications from 4th May to 15th May 2015
12. Two-week ISTE approved STTP conducted by IITB on Technical Communication for scientists and engineers from 8th Oct to 5th Dec 2015.
13. One-week STTP conducted by IITB on Educational technology for engineering teachers from 7th Jan to 7th Mar 2016.
14. Two-week ISTE approved STTP conducted by IITKGP on ISTE approved STTP under IITKGP on "CMOS Mixed Signal and Radio Frequency VLSI Design" on 26th December to 4th February 2017. (Equivalent to two week)
15. Two days AICTE Sponsored National seminar on technologies for development of Rural Areas at Sardar Patel Institute of Technology from 27th & 28th 2017.
16. Six weeks credit course on Research Methodology and Numerical Techniques and applied research from 13th November to 22nd December 2017.
17. One week AICTE-ISTE Induction /Refresher Programme on Innovative Teaching Learning Practices to Achieve Outcome Based Education and Accreditation from 3rd May to 9th May 2018.
18. Two days Workshop on ‘Flipped learning’ at Bhavan’s College Andheri (W) from 17th & 18th October, 2018.
19. One-week AICTE-ISTE Approved One Week STTP under Career Advancement Scheme (CAS) Hands on Machine Learning and Deep Learning from 13th to 18th May, 2018.
20. One day session on Sequel App at Sardar Patel Institute of Technology, Andheri (W) on 27th July 2018.
21. One Week ISTE approved STTP on “Hands on Machine Learning and Deep Learning” 13th-18th May 19.
22. AICTE sponsored two-week FDP on “Consumer Electronic Product Design, Testing, Reliability and Patenting” 1st July- 13th July 2019
23. AICTE Sponsored One Week Short Term Training Program on “VLSI Design Using Cadence Tools: Digital CMOS Design and Verification” Department of Electronics Engineering, Sardar Patel Institute of Technology, 12 Oct to 17 Oct -2020

24. National Level online industrial training program on "Future Scope of Engineering In Global Development" Dept of Electronics and Communication Engineering, Velalar College of Engineering and Technology, Erode, Tamilnadu in association with Pantech Solutions, Chennai 27th July to 31st July 2020.
25. AICTE Sponsored One Week Short Term Training Program on “VLSI Design Using Cadence Tools: Digital CMOS Design and Verification 12-17 October 20
26. Velalar College of Engineering and Technology, Erode, Tamilnadu in association with Pantech Solutions, Chennai National Level online industrial training program on "Future Scope of Engineering In Global Development" 27-31st July 20
27. Tutorial by Mathworks and Cloud Transformation-Myths and Reality SP-IT international conference (ICCICT-2021) 25th June 2021
28. One Week Online Faculty Development Program On Advanced Research Methodology Applicable in New Education Policy during June 22 – 28, 2022, Jointly Organized by Digvijay Nath Post Graduate College, Gorakhpur, UP, Lucknow & Science Tech Institute (Run by MKS Educational Society), Lucknow, UP India.
29. National Level Personal Development Program on “Achieving Excellence through Self Awareness: Upbeat your Life Skills” during 26th to 30th June, 2022.

8. Patents:

1. Patent Title: SYSTEMS AND METHODS FOR TRANSMITTING AND RECEIVING AUDIO DATA USING LIGHT, Inventor: More Devashish, Khandkar Divya, Kumar Tushar, Bansode Manisha, Karia Deepak, Application No. 201921023087, Date of filing of Application :11/06/2019, Publication Date : 19/07/2019.

9. Contribution to and role played in the administrative affairs of the institute:

1. Department timetable co-ordinator from 2014.
2. A member of Curriculum development for Autonomy 2014-15
3. Co-ordinator from ETRX Dept. for Criteria 5 NAAC in 2017-18
4. I have been a member of the Magazine review Committees for the year 2016-17 & 2017-18.
5. Worked as scrutiny 2 member in Admissions