



Prof. Priya Deshpande

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Sardar Patel Institute of Technology

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- **Date of joining the present institute:** 1st August 2013
- **Date of joining the present department:** 1st August 2013
- **Scholastic record:**

S.No	Degree	Institute	Year of passing	Class/CGPI/percentage
1	Ph.D (Pursuing)	Indian Institute of Technology Bombay	-	Ph.D Course work (CPI: 8.23)
2	M.Tech (EXTC)	Veermata Jijabai Technological Institute, Mumbai	2012	GPA: 9.9 (1 st Rank)
3	B.E (EXTC)	Sant Gadge Baba Amravati University	2010	70.82%

- **Teaching experience in totality : 09 Years**
- **Academic merit record and achievements: (*only in graduation and post-graduation years*)**
 1. Got the Gold Medal for Securing 1st position in MTech of all departments in VJTI in 2012.

▪ **Domain expertise and areas of interest:**

Interested in Image Processing, Microprocessor and Microcontrollers and MATLAB programming

▪ **Details of subjects taught:**

S.No.	Name of subject	Year and branch
1.	Embedded System	2022 (ETRX)
2.	Microcontrollers	2021 (ETRX & EXTC), 2022 (ETRX & EXTC)
3.	Electronic System Design	2020 (ETRX), 2021(ETRX)
4.	Computer Architecture and Organization	2019 (ETRX & EXTC), 2021 (ETRX & EXTC)
5.	Micro-architectures	2019 (ETRX), 2020 (ETRX), 2021 (ETRX)
6.	Computer Organization and Architecture	2018 (ETRX)
7.	Microcontroller and applications	2016(ETRX), 2017(ETRX), 2018(ETRX)
8.	Microprocessor and Peripherals	2014(ETRX), 2015(ETRX)
9.	Circuit Theory	2013(ETRX),2014(ETRX), 2015(ETRX), 2016(ETRX)
10.	Microprocessor and Peripherals	2015(ETRX), 2017(ETRX)
11.	Continuous Time Signal System	2013(ETRX),
12.	Microwave Devices and Circuits	2014(ETRX),
13.	Digital Image Processing and Design	2014(ETRX),

▪ **Workshops/Refresher courses/Training programs/Seminars attended:**

1. All India Council for Technical Education (AICTE), ATAL Academy workshop "Embedded Systems - An Application Driven Approach", from August 25th - 27th 2021.
2. AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Embedded Design and Development using Free / Open Source Tools" from 9th August to 13th August 2021 at Centre for Development of Advanced Computing.

3. AICTE Training And Learning (ATAL) Academy sponsored Online Elementary FDP on "Elements of FEM" from 26th July to 30th July 2021 at Government Engineering College, Bharuch.
4. Coursera Four week course on "Machine Learning for All" from 7th May to 7th June 2020
5. AICTE sponsored One week STTP on "VLSI Design Using Cadence Tools: Digital CMOS Design and Verification" from 12th to 17th Oct 2020
6. One week AICTE Training And Learning (ATAL), "Biosimilar Technology" from 23rd to 27th Nov 2020
7. AICTE Sponsored Two Week FDP on "Consumer Electronics Product Design, Testing, Reliability and patenting" in Sardar Patel Institute of Technology, Andheri from 1st July to 13th July 2019
8. Completed one month Summer Internship in Sardar Patel Institute of Technology on "Embedded Systems and IOT" from May 28th to June 28th 2018 with Grade of 9.0.
9. AICTE-ISTE Induction/Refresher Programme on "Innovative Teaching Learning Practices to Achieve Outcome Based Education and Accreditation" (Responses) on 3rd may to 9th may 2018 in Sardar Patel Institute of Technology, Andheri
10. Two week STTP on "CMOS, Mixed Signal and Radio Frequency VLSI Design" conducted by IIT Kharagpur from 26th Dec to 4th Feb 2017.
11. Got a "ELITE" Certificate with score of 80% for NPTEL Online Certification course for the subject of Digital Image Processing in Jul to Oct 2016 (30 hrs Course)
12. Two days International Symposium on Internet of Things on 3rd and 4th august 2016 in Sardar Patel Institute of Technology, Andheri.
13. ISTE Approved One Week STTP on "Internet of Things" organized by FCRCE College, Bandra from 27th June to 1st July 2016.
14. Two day FDP on "Embedded System Design using ARM mbed & Cypress PSoC.
15. AICTE Approved Two week FDP on "Electronic System Design: From Devices to Applications" during 4th to 15th May 2015 in Sardar Patel Institute of Technology, Andheri.
16. TEQIP - II Sponsored two week STTP on "Signal & Image Processing with Wavelets" from 16th to 25th Dec 2013 at VJTI, Mumbai.
17. AICTE (Under QIP) Sponsored one week FDP on "Signal Processing and Applications" from 23rd to 27th Feb 2015 at VJTI, Mumbai.

- **Membership of professional bodies:**
 - **ISTE Membership**

▪ **Publications:**

International Conferences

Sr. No	Publisher	Title of International conference	Title of paper/article/poster presentation	Schedule and venue of conference
1.	IEEE	International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2022	Self Driving Car using Neural Networks	9-11, May 2022, Narasu's Sarathy Institute of Technology, Salem, India
2.	IEEE	International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2022	Co-Mart-A Daily Necessity Price Comparison Application	9-11, May 2022, Narasu's Sarathy Institute of Technology, Salem, India
3.	IEEE	International Conference on Communication information and Computing Technology (ICCICT), 2021	Contactless Fingerprint Verification Using Neural Networks	25-27 June 2021, Sardar Patel Institute of Technology, Andheri
4.	IEEE	International Conference on Communication information and Computing Technology (ICCICT), 2021	Nutrient Deficiency Detection in Leaves using Deep Learning	25-27 June 2021, Sardar Patel Institute of Technology, Andheri
5.	IEEE	12th International Conference on Computing, Communication And Networking Technologies (ICCCNT)	Manhole Management using Image Processing and Data Analytics	July 6-8 2021, IIT Kharagpur
6.	IEEE	12th International Conference on Computing, Communication And Networking Technologies (ICCCNT)	Cyber-Bullying Detection Via Text Mining And Machine Learning	July 6-8, 2021, IIT Kharagpur
7.	IEEE	Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV), 2021	"E-Mail Spam Classification via Machine Learning and Natural Language Processing",	04-06 August 2021, Francis Xavier Engineering College, Tirunelveli, India

8.	IEEE	Third International Conference on Smart Systems and Inventive Technology (ICSSIT), 2020	“Manhole Detection using Image Processing on Google Street View imagery”,	20-22 August 2020, Francis Xavier Engineering College, Tirunelveli, India
9.	IEEE	4th International Conference on Intelligent Computing and Control Systems (ICICCS), 2020	“SMART-Smart Mobile Autonomous Robotic Trolley”,	13-15 May 2020, Vaigai College of Engineering, Madurai, India
10.	IEEE	Third International Conference on Smart Systems and Inventive Technology (ICSSIT), 2020	“Speed Breaker Detection and Mapping using IoT”,	20-22 August 2020, Francis Xavier Engineering College, Tirunelveli, India
11.	IEEE	International Conference on Communication Information and Computing Technology (ICCICT)	HYDROBOT: An Underwater surveillance robot	2-3 Feb 2018, Sardar Patel Institute of Technology, Andheri

▪ **Details of National and International Journal publications:**

S.No	Title of Journal	Title of paper	Co-authors
1.	International Journal of Computer Applications, 2020	An Overview of Speaker Recognition and Implementation of Speaker Diarization with Transcription	Arthav Mane, Janhavi Bhopale, Ria Motghare, Priya Chimurkar
2.	International Journal of Computer Applications, 2020	Instrumentation of Data Acquisition for EIT	Sukanya Aldar, Shruti Chavan, Dakshata Patil, Priya Chimurkar,
3.	Grenze Scientific Society, 2020	A Low-cost Implementation of an IOT Food Ordering System	Arthav Mane, Janhavi Bhopale, Ria Motghare, Priya Chimurkar
4.	International Journal of Computer Applications, 2012	Electrical Impedance Tomography using EIDORS in a Closed Phantom	Vidya Sarode, Priya M. Chimurkar, Alice N. Cheeran,
5.	International Journal of Engineering Sciences & Emerging Technologies, 2012	Electrical Impedance Tomography (EIT) based Medical Imaging using Finite Element Method (FEM)	Vidya Sarode, Priya M. Chimurkar, Alice N. Cheeran

▪ **RESEARCH**

- Pursuing Ph.D in the domain of Biomedical systems from IITB under supervision of Dr. Maryam Shojaei.
- Actively involved in the discussion of Biomedical group of EMSYS lab on projects of Masters and Ph.Ds on every Saturdays.
- Working on algorithms on Electrical Impedance Tomography and writing a paper based on it.
- Mumbai University Minor research funds approved of 20,000/-

▪ **Contribution to and role played in the administrative affairs of the institute:**

- Part of Publicity committee of ICCICT-2021 for making video of conference and registration of conference in various conference alerts websites.
- First year admission for scrutiny work
- Made videos during admission process: Electronic department video and Why Electronics?
- Updating of Electronic Department website
- Collecting Program Exit Survey from final year students (contains information of 4 years in S.P.I.T)
- Class in charge of BE class
- Academic Module process of Juno ERP work
- Syllabus Setting (SE and TE courses as per revised scheme)
- Internship Evaluations, Moderation of ESE papers etc.
- Helped Dr. D. C. Karia in making presentations during NBA visit.
- Actively worked in NAAC, NRIF and NBA proof collections and documentation.
- Appointed as Project Co-ordinator (Electronics Department) from 2018 -2019
- Working as a Faculty Co-ordinator for ABL-2 activity based on Legal Studies, 2017
- Worked as a Faculty Co-ordinator for ABL-1 activity based on Fire Safety and successfully done the activities under this event with FSAI (skit comp, poster and short film), 2017 and 2018
- Worked as a Faculty Co-ordinator for ABL-3 activity based on Creative Thinking, Diversity and Workplace Etiquettes in 2018 and 2019
- Worked as a Event Co-ordinator for Troubleshooting Event (TSE-2017)
- Worked as Event Co-ordinator for MiniProject-I Competition held on 7th Nov 2017
- Worked as Event Co-ordinator for MiniProject-II Competition on 24th April 2017