

# Faculty Profile

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## Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	SPPU University	2023
M.Tech (E&TC)	Pune University	2008
B.E. (E&TC)	Amravati University	2001

## Professional Experience

Sr. No.	Designation & Institute	Duration
1	Associate Professor, PICT Pune	2023 - Present
2	Assistant Professor, E&TC PICT	2008 - 2023
3	Lecturer, E&TC PICT	2003 - 2008

## Research Publications

Sr. No.	Title	Publication/Conference
1	Unsupervised Machine Learning Schemes for Cooperative Spectrum Sensing in Cognitive Radio	Inderscience International Journal of Computer Application for Technology, 2003
2	Eigenvalue fusion-based machine learning approach for cooperative spectrum sensing in cognitive radio	Inderscience IJCAET, 2022
3	Levenberg Marquedet Lion Based Artificial Neural Network for Cooperative	International Journal of Multiagent and Grid Systems, 2019

	Spectrum Sensing in Cognitive Radio	
4	NLP and Human-Computer Interaction: Enhancing User Experience Through Language Technology	International Journal for Research in Applied Science and Engineering Technology,2023
5	Comparative Analysis Of Energy Detection and Artificial Neural Network for Spectrum Sensing in Cognitive Radio	ICTACT Journal On Communication Technology,2019
6	Cooperative spectrum sensing scheme using fuzzy logic technique	ICTAT journal on communication technology,2018
7	A Survey on Digitization of Shed Management for Indian Railways.	<i>Global Journal of Management and Business Research</i> ,2023
8	Artificial Neural Network Based Approach for Spectrum Sensing in Cognitive Radio	International Conference on Wireless Communications, Signal Processing and Networking,2018
9	Multiband reconfigurable antenna for cognitive-radio	Annual IEEE India Conference (INDICON), Pune, India, 2014
10	Deep Learning Based Lipreading Assistant	OPJU International Technology Conference (OTCON) on Smart Computing for Innovation and Advancement in Industry 4.0,2024
11	An Exploration of Shed Management Digitization for the Indian Railways	AI Technologies for Information Systems and Management Science. ISMS 2023. Lecture Notes in Networks and Systems,2023

### Books Published

Sr. No.	Title	Publisher & Year

### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
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1	Nineth International Conference of information and communication Technology for competitive Strategies	2024
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### Awards & Recognitions

Sr. No.	Award/Recognition	Year

### Areas of Interest

Sr. No.	Area
1	Digital systems
2	Control Systems
3	Spectrum Sensing
4	Artificial Intelligence , Machine Learning