


# Faculty Profile

Name	Dr. Mousami V.Munot	
Designation	HoD & Associate Professor	
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## Educational Qualifications

Degree	University/Institution	Year of Passing
PGDM	IGNOU (Regional Center Pune, India)	2024
Ph.D.(E&TCE)	College of Engineering, Pune , India	2013
M.E. (E&TCE)	College of Engineering, Pune , India	2007
B.E. (E&TCE)	SVPM COE, Malegaon BK., SPPU, Pune, India	2001

## Professional Experience

Sr. No.	Designation & Institute	Duration
1	<b>HoD</b> , Department of Electronics and Telecommunication Engineering, Pune Institute of Computer Technology, Pune , India	April 2022- Till Date
2	<b>Associate Professor</b> , Department of Electronics and Telecommunication Engineering, Pune Institute of Computer Technology, Pune , India	December 2013- April 2022
3	<b>Assistant Professor</b> , Department of Electronics and Telecommunication Engineering, Pune Institute of Computer Technology, Pune , India	August 2008 – December 2013

4	<b>Lecturer,</b> Department of Electronics and Telecommunication Engineering, Pune Institute of Computer Technology, Pune, India	January 2005 – August 2008
5	<b>Visiting Faculty,</b> Department of Electrical Engineering, Pune Vidyarthi Griha, Pune, India	July 2004 – October 2004
6	<b>Visiting Faculty,</b> Department of Electronics Engineering, Vishwakarma Institute of Technology, Pune, India.	July 2003 – October 2003 July 2004- October 2004
7	<b>Lecturer,</b> Department of Electronics and Telecommunication Engineering, Vidya Pratishthan College of Information Technology, Baramati, Pune, India.	September 2001 – April 2003

### Research Publications

Sr. No.	Title	Publication/Conference
1.	A survey of Explainable AI techniques for detection of fake news and hate speech on social media platforms	Journal of Computational Social Science, 2024
2.	Model compression of deep neural network architectures for visual pattern recognition: Current Status and future directions	Computers and Electrical Engineering, 2024
3.	A Survey on Personalized Movie Recommendation System Using Machine Learning	International Conference on Smart Computing and Communication, 2024
4.	Unsolved Problems in the Field of Procedural Shaders and Procedural Terrain	International Conference on Smart Computing and Communication, 2024
5.	Machine Learning Approaches for Film Censorship: A Comprehensive Survey of Techniques	International Conference on Smart Computing and Communication, 2024
6.	Analyzing the Power of AI in the Stock Market	International Conference on ICT for Sustainable Development, 2024
7.	Lung Disease Detection Based on Deep Learning Techniques: A Review	International Conference on Smart Computing and Communication, 2024
8.	Automated Detection of Diabetes from Exhaled Human Breath using Deep Hybrid Architecture	IEEE Access, 2023
9.	Automated COVID-19 detection from exhaled human breath using CNN CatBoost ensemble model	IEEE Sensors Letters, 2023
10.	Explainable AI for Reliable Detection of Cyberbullying	IEEE Pune Section International Conference (PuneCon) COEP Technological University, Pune, India 2023

11.	The Conglomerate Compression Approach for Visual Pattern Recognition Networks in Edge AI Applications	IEEE Pune Section International Conference (PuneCon) COEP Technological University, Pune, India 2023
12.	Automated Detection of Diabetes from Exhaled Human Breath using Deep Hybrid Architecture	IEEE Access, 2023
13.	CWT dominant frequency analysis for Electromyographical (EMG) Signals”	European Chemical Bulletin, 2023
14.	An optimized XGBoost based classification model for effective analysis of heart disease prediction	AIP Conference Proceedings, 2023
15.	Explainable AI for Reliable Detection of Cyberbullying	IEEE Pune Section International Conference (PuneCon), 2023
16.	The Conglomerate Compression Approach for Visual Pattern Recognition Networks in Edge AI Applications	IEEE Pune Section International Conference (PuneCon), 2023
17.	Detection and Moderation of Detrimental Content on Social Media Platforms: Current Status and Future Directions	Network Analysis and Mining, 2022
18.	SEIRD Model for Forecasting Spread of Covid – 19	Indian Journal of Science and Technology, 2022
19.	An efficient approach for detection of autism spectrum disorder using electroencephalography signal	IETE Journal of Research, 2022
20.	Feature Representation Techniques for Hate Speech Detection on Social Media: A Comparative Study	International Conference on Signal and Information Processing (IConSIP), 2022
21.	Model Compression for Non-Sequential and Sequential Visual Pattern Recognition Networks — A Hybrid Approach”,	International Conference on Signal and Information Processing (IConSIP), 2022
22.	Machine learning approaches for rumor detection on social media platforms: A comprehensive survey	3 <sup>rd</sup> International Conference on Machine Intelligence and Signal Processing (MISP), 2022
23.	Pruning for Compression of Visual Pattern Recognition Networks: A Survey from Deep Neural Networks Perspective	3 <sup>rd</sup> International Conference on Machine Intelligence and Signal Processing (MISP), 2022
24.	Deep Learning Models for Tomato Plant Disease Detection	3 <sup>rd</sup> International Conference on Machine Intelligence and Signal Processing (MISP), 2022
25.	Pruning for compression of visual pattern recognition networks: a survey from deep neural networks perspective	Pattern recognition and data analysis with applications, 2022
26.	Automated Metaphase Chromosome Image Selection Techniques for Karyotyping: Current Status and Future Prospects	Turkish Journal of Computer and Mathematics Education, 2021

27.	A Reliable and an Efficient Approach for Diagnosis of Brain Tumor Using Transfer Learning”,	Biomedical and Pharmacology Journal, 2021
28.	A novel and intelligent vision-based tutor for Yogāsana: e-YogaGuru”	Machine Vision and Applications, 2021
29.	An Efficient Approach to Fruit Classification and Grading using Deep Convolutional Neural Network	IEEE Sponsored 5th International Conference for Convergence in Technology (I2CT), 2019
30.	“Design and Development of Patch Textile-Antenna”	ADBU Journal of Engineering Technology, 2019

### Books Published

Sr. No.	Title	Publisher & Year
1.	Research Methodology: A Practical and Scientific Approach	CRC Press (Taylor and Francis Group Feb 2019
2.	Plagiarism” (Chapter No. 7) Research Methodology: A Practical and Scientific Approach	CRC Press Taylor and Francis Group Feb 2019

### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
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### Awards & Recognitions

Sr. No.	Award/Recognition	Year
1.	Invited as Chief Guest on 51 <sup>st</sup> Rising Day (Foundation Day) of Vidya Pratishthan Baramati 16/10/23	2023
2.	NPTEL course topper: Course: Developing Soft Skills and Personality (Aug- Oct - 2021)	2021
3.	NPTEL course topper: (Top 1 % of certified candidates), course Ethics in Engineering Practice (July- Dec- 2019)	2019
4.	NPTEL course topper (Top 5 % of certified candidates), course: Introduction to Machine Learning (July- Dec- 2019)	2019
5.	Fellowship from Indian National Academy of Engineering (INAE) for research work under Dr. Jayant	2012

	Mukhopadhyay, Dept of Computer Sciences, IIT, Kharagpur, India (May- July 2012)	
6.	Best paper award winner at National Conference on Emerging Trends in Electronics and Telecommunications, JSPMS, Pune (July 2009)	2009
7.	Best paper award winner at the Wireless communication network International conference arranged, Mumbai, India Jan 2009	2009
8.	Rank holder award for standing first during M-Tech ( COEP, Pune) (2005-2007)	2007

### Areas of Interest

Sr. No.	Area
1.	Artificial Intelligence, Machine Learning
2.	Biomedical Image Processing (Health care)
3.	Computer Aided Diagnostic Systems