

Name of Teaching Staff	:	Prof. Pranavi Kiran Nikam
Designation	:	Assistant Professor
Department	:	Electronics & Telecommunication Engineering
Date of Joining the Institution	:	1.10.2026
Email ID	:	Pranavinikam12@gmail.com
Office Contact	:	
Google Scholar Link	:	https://scholar.google.com/citations?user=NMnslP8AAA&hl=en
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ORCID	:	https://orcid.org/my-orcid?orcid=0009-0002-9245-2428
Qualifications with Class / Grade	:	1. Pursuing Ph.D. in Electronics & Telecommunication Engineering from D.Y. Patil Deemed to be University, Navi Mumbai 2. M.E. – Electronics & Telecommunication Engineering from University of Mumbai in August 2013 , 1st class with Distinction 70%. 3. B.E. (Electronics & Telecomm. Engineering) from University of Mumbai in August 2010. 1st class (69%)
Total Experience in Years	:	<u>Teaching: 15 years</u> 1. Assistant Professor, SVKM's D.J. Sanghvi College of Engineering, Vile parle , Mumbai from 1.10.2026 to till date. 2. Assistant Professor, SIES Graduate School of Technology, Nerul, Navi Mumbai from 1.5.2014 to 29.9.2026 3. Lecturer, SIES Graduate School of Technology, Nerul, Navi Mumbai from 7.7.2012 to 30.4.2014 4. Lecturer, Saraswati college of Engineering, Kharghar, Navi Mumbai from 11.10.2010 to 11.07.2011.
Papers Published in Journal:	:	<u>International: 7</u> 1. Pranavi Nikam, S. Sharma, A. Chavan and A. Sharma, "A Voice-Activated Mobility Wheelchair Powered by Solar Energy," <i>International Journal of Innovative Science and Research Technology (IJISRT)</i>, vol. 8, no. 10, pp. 1–10, 2023. (Peer Reviewed) 2. Pranavi Nikam, P. Kadam, H. Raut, S. Hutke and S. Mathi, "Real-Time Tracking Surveillance Robot Using Raspberry Pi," <i>Journal of Emerging Technologies and Innovative Research (JETIR)</i>, vol. 10, no. 4, pp. 123–130, 2023. (Peer Reviewed) 3. Swapnali Dhulap, Ashwini Patil, Shriya Kamble, Sapana Gaikwad, Pranavi Mhatre "IoT-Based Smart Wearable Posture Detection and Alert System," <i>International Journal of Engineering Research and Applications (IJERA)</i>, vol. 11, no. 8, pp. 45–50, 2021. (Peer Reviewed) 4. Pranavi Nikam, "LoRa-Based Home Automation System," <i>International Journal of Computer Engineering and Applications (IJCEA)</i>, vol. XV, no. VII, pp. 110–115, 2021. (Peer Reviewed) 5. Sangam Dhiman, Vivek Kumar Kadian, Sagar Singh, Pranavi



Papers Presented in Conferences	Mhatre"Blind Man's Eye Using Raspberry Pi," <i>Journal of Engineering Research and Applications (JERA)</i>, vol. 9, no. 5, pp. 11–14, 2019. (Peer Reviewed) 6. Pranavi Mhatre, Vivek Ramakrishnan"Adaptive Noise Elimination," <i>International Journal of Engineering Research and Applications (IJERA)</i>, vol. 9, no. 3, pp. 69–74, 2019. (Peer Reviewed) 7. Pranavi Mhatre and Jyoti Varavdekar, "A Review of EBG-Based Power Divider," <i>IOSR Journal</i>, vol. 14, no. 3, pp. 56–60, 2012. <u>National:</u> 1 <u>International:</u> 7 1. Pranavi Nikam, Jeevitha Gowda, Vignesh Mudliyar and Poshanjeet Mandal, "Transistor-Level Morris Sensitivity Analysis for Variation-Aware Delay Optimization in CMOS Full Adder," presented at the <i>2026 IEEE 18th International Conference on Computational Intelligence and Communication Networks (CICN-2026)</i>, Philippine Women's University, Manila, Philippines, 12 June 2026. (IEEE International Conference Presentation) 2. Pranavi Nikam, A. Rahate, M. Abhang, P. Tarale and K. Wankhade, "FPGA Implementation and Performance Analysis of a Scalable Pipelined Vedic Multiplier," presented at <i>IEEE International Conference on Sustainable and Futuristic Technologies (ICSFT-2026)</i>, Pune, India, Apr. 2026. (IEEE Conference Presentation) 3. Pranavi Nikam, Shivangi Agarwal "Performance Evaluation of FPGA Based Efficient RNGs," in <i>Proceedings of the 2025 IEEE International Conference on Advanced Computing Technologies (ICACT-2025)</i>, Conference Record #67549, Mohan Babu University, Tirupati, India, Sept. 2025. (IEEE Conference / Scopus Indexed Proceedings) 4. Pranavi Nikam, Satyam Shukla, Aarav Sinha, Tanmay Tandel and Tejas Thakur, "AI Based Personalized Health Care: A Single Platform for Dietary and Fitness Tracking," in <i>Proceedings of the 2025 International Conference on Electronics and Computing, Communication Networking Automation Technologies (ICEC2NT)</i>, IEEE, Pune, India, Sept. 2025, DOI: 10.1109/ICEC2NT65402.2025.11380139. (IEEE Conference Publication) 5. Pranavi Nikam, P. Kadam, H. Raut, S. Hutke and S. Mathi, "Blockchain-Based e-Voting System," in <i>Proceedings of the IEEE International Conference on Intelligent Technologies (CONIT)</i>, 2023. 6. Pranavi Mhatre, Pushkar Sathe "Improvement in Return Loss of Hybrid Ring Equal Power Divider Using T-EBG," presented at <i>Terna International Conference</i>, pp. 45–50, 2014. 7. Pranavi Mhatre and Jyoti Varavdekar, "Miniature In-Phase Hybrid Ring Equal Power Divider Using Tile EBG," presented at <i>IRD International Conference</i>, pp. 12–15, 2013. 8. Pranavi Mhatre and Twisha Pandye, "A Review of Electromagnetic Simulation Technologies: FEM and MoM," presented at <i>IEEE National Conference at SIES GST</i>, pp. 89–92, 2013.
Area of Specialization	• VLSI • Analog Electronics • Digital Electronics

Books Published / IPRs / Patents	:	Copyrights :05 1. H Shape EBG Hybrid Ring Power Divider , Registration Number: L-100354/2021 2. Litter Detection Using Machine Learning, Registration Number : L-113677/2022 3. A Voice Activated Mobility Wheelchair Powered by Solar Energy, Registration Number: L-130887/2023 4. Lora based Messenger system for Underground Miners, Registration Number: L-125556/2023 5. Alert System for Convulsion Seizure, Registration Number: L-147283/2024	
Professional Memberships	:	Life Member of Indian Society of Technical Education (ISTE)	LM 118794
Grants fetched	:	Minor research grant from Mumbai University 2019-20 Awarded a grant of ₹20,000/- under Mumbai University's, Minor Research Grant for project proposal, on "Real time Litter detection using Machine Learning", as co-investigator.	
Interaction with Professional Institutions	:	- Conducted student development program on "FPGA Design using Verilog" at SIES GST Nerul. Reviewer for conference : "2026 IEEE Global symposium on Emerging and communication technologies" held on 12.6.2026 and 13.6.2026,organized by Hyderabad institute of Technology and Management. "2026 IEEE Contemporary Computing Innovations Conference" organized by Department of Data Science, School of Computing, Mohan Babu University, Tirupati, Andhra Pradesh, during 06.02.2026 & 07.02.2026	
Subjects Taught	:	<u>UG Level:</u> - Electronic Devices and Circuits - Digital Electronics - Digital VLSI - VLSI Design - Microprocessor and Microcontroller - Microwave Engineering - Database Management System	
Projects Guided	:	<u>UG Level:</u> - Design and Performance analysis of CMOS Adder using Dual Threshold Voltage - Design and Performance analysis of FPGA based Multiplier - Smart Meter reading using LORA and IOT - Airborne Garbage detector - Blind man's Eye using IOT - Design of Antenna for wireless sensors - FPGA implementation of Adaptive Filters - Virtual Keyboard	
Recommended Students for Higher Education	:	<u>Name of the Student</u>	<u>University/Industry</u>
Institute/Department Responsibility handled:	:		