

Name of Teaching Staff	:	Dr. Juily Nachiket Tarade	
Designation	:	Assistant Professor	
Department	:		
Date of Joining the Institution	:	10-4-2023	
Email ID	:	juilyt@sjcem.edu.in	
Office Contact	:	9579118693	
Qualifications With Class/Grade		Ph. D in Electronics and Telecommunication Engineering from University of Mumbai	
Total Experience in years		5.9	
Area of Specialization		Artificial Intelligence, Machine Learning, Natural Language Processing, Cyber Security, IoT, Control Systems, Embedded System, Microwave and Antenna, Image Processing etc.	
Google Scholar Link	:	https://scholar.google.com/citations?user=isuBQNIAAAAJ&hl=en&authuser=1	
Vidhwaan Portal ID		397277	
ORCID		https://orcid.org/0009-0008-2851-5707	
Papers Published in Journal:	:	[1]J. Tarade and U. P. Khot, “Characterization of Microstrip Patch Antenna for Endoscopy Application” Int. J. of Electronics and Communication Engineering (IJECE), vol. 11(8), pp. 207-217, August 2024. (SCOPUS INDEXED) [2] J. Tarade and U. P. Khot, “Performance-Optimized Microstrip Patch Antenna for Wireless Capsule Endoscopy,” J. of Engineering and Technology Management, vol. 74, no. 106, pp. 1342–1355, Dec. 2024. (ELSEVIER) [3]J. Tarade and U. P. Khot, “An Efficient Technique for Determining Iteration Order and Iteration Factor in Fractal Patch Antenna for Endoscopy Application” Int. J. of Neuroquantology, vol. 20, no. 17, pp. 2326-2335, 2022. (SCOPUS INDEXED)	
Papers Presented in Conferences		[1] J. J. Saptarshi and U. P. Khot, “Low Profile Wide Stop Band Microstrip Filters for Wireless Communication Applications using Defected Ground Structures,” in Proc. IEEE Conf. on Advances in Signal Processing (CASP-2016), Pune, India, pp. 1- 5, Jun. 2016. [2] J. J. Saptarshi and U. P. Khot, “Modelling an Equivalent Structure of Dumbbell DGS for Microstrip Filters,” in Proc. Second IEEE Int. Conf. on Computing, Communication, Control And Automation (ICCUBE-2016), Pune, India, Aug. 2016. [3] J. Tarade and U. P. Khot, “An Efficient Technique for Determining Iteration Order and Iteration Factor in Fractal Patch Antenna for Endoscopy Application” Int. J. of Neuroquantology, vol. 20, no. 17, pp. 2326-2335, 2022. (SCOPUS INDEXED) [4] J. Tarade and U. P. Khot, “Challenges in Optimizing the Microstrip Patch Antenna for Endoscopy Application” in Proc. 11 th Int. Conf. on emerging trends in engineering & technology signal and information processing (ICETET 23), Nagpur, April 2023. [5] J. Tarade and U. P. Khot, “Characterization of Microstrip Patch Antenna for Endoscopy Application” Int. J. of Electronics and Communication Engineering (IJECE), vol. 11(8), pp. 207-217, August 2024. (SCOPUS INDEXED) [6] J. Tarade and U. P. Khot, “Performance-Optimized Microstrip Patch Antenna for Wireless Capsule Endoscopy,” J. of Engineering and Technology Management, vol. 74, no. 106, pp. 1342–1355, Dec. 2024. (ELSEVIER) [7] J. Tarade et al., “Performance Measures of the Different Algorithms in GYM Management System” Int. conf. on Intelligent Computing and Networking (IC-ICN 2024), Feb 2023. [8] T. Bari, H. Churi, S. Raut, and J. Tarade, “Farm Connect: AI Driven Disease Detection and Farmer Support System” In Proc. 16th Int. Conf. on Intelligent Computing and Networking (IC-ICN 2025), India, Feb 2025. [9] R. Belkare, S. Khan, S. Parave, and J. Tarade, “Next Generation Voting System” In	

	Proc. 16th Int. Conf. on Intelligent Computing and Networking (IC-ICN 2025), India, Feb 2025. [10] G. Shetty, G. Prabhu, R. Raut, and J. Tarade, “SAFEGUARD HER: Techno-Security for Women” In Proc. 16th Int. Conf. on Intelligent Computing and Networking (IC-ICN 2025), India, Feb 2025. [11] A. Churi, P. Save, and J. Tarade, “Environmental Sound Classification for Wildlife Monitoring using Deep Learning” In Proc. 16th Int. Conf. on Intelligent Computing and Networking (IC-ICN 2025), India, Feb 2025. [12] G. Talesara, D. Jain, and J. Tarade, “Security and Surveillance Bot” In Proc. 16th Int. Conf. on Intelligent Computing and Networking (IC-ICN 2025), India, Feb 2025. [13] J. Tarade, R. Raut, G. Prabhu, and R. Bari, “Artificial Intelligence-Based Intelligent Energy Management for Sustainable Reduction in Electricity Usage” In 2 nd Int. conf. on Applied Science And Smart Technologies (InCASST 2025) E3S Web of Conference, vol. 687, no. 10, Oct., 2025. (SCOPUS INDEXED) [14] J. Tarade et al., “GreenCount: AI-Powered Tree Counting and Vegetation Monitoring from UAV and Satellite Imagery”, In 2 nd Int. conf. on Applied Science and Smart Technologies (InCASST 2025) E3S Web of Conference, vol. 687, no.10, Oct., 2025.(SCOPUS INDEXED) [15] J. Tarade, H. Patil, S. Yadav, and A. Thakur, “Real-Time Prediction System for Taxi Demand and Optimizing Driver Routes” In 3rd Int. Conf. on Recent Advancements in Communication, Computing & Artificial Intelligence (RACCAI-2026). (Accepted) (SCOPUS INDEXED) [16] S. Kore, P. Patil, K. Kadam, and J. Tarade, “Vision Assist: A Wearable Navigation and Reading System for the Visually Impaired” In 3rd Int. Conf. on Recent Advancements in Communication, Computing & Artificial Intelligence (RACCAI-2026). (Accepted) (SCOPUS INDEXED) [17] K. Choudhary, S. Mishra, M. Lad and J. Tarade, “Alpha: ML Model Builder”, In 3rd International Conference on Recent Advancements in Communication, Computing & Artificial Intelligence (RACCAI-2026). (Accepted) (SCOPUS INDEXED) [18] J. Tarade et al., “SmartDS: AI-Powered Data Science Workflow” In 10th IEEE Int. Conf. on Computing, Communication, Control & Automation (ICCUBE-2026), Pune, Aug. 2026.	
Professional Memberships with ID	IAENG (Lifetime Membership)	
Grants Fetched	SMR Grant-50,000/-	
Technical/NPTEL certifications	- National Programme on Technology Enhanced Learning (NPTEL)—Responsible & Safe AI Systems (IIIT Hyderabad and IIT Madras) cleared with Elite class (67%), Nov. 2025. - National Programme on Technology Enhanced Learning (NPTEL)—Introduction to Machine Learning (IIT Khargpur) cleared with Elite class (71%), Oct. 2024. - National Programme on Technology Enhanced Learning (NPTEL)—Python for Data Science (IIT Madras) cleared with Elite class, Oct. 2023.	
Board of Studies member, BoE under any State/ Central University		
Institute/Department Responsibility handled:	Institute R and D co-coordinator, Dept. Exam cell Coordinator, Alumni Coordinator, ISTE coordinator, Technical Club coordinator	
M.E./M.Tech/PhD Guide? Give field & University	:	Field: University:

Interaction with Professional Institutions	:	Guest Lectures: Other Achievements and Responsibilities:	• Expert Session on “Cyber and Network Security” In Central Bank of India (CBI), Oct.2024. • Expert Session on “Cyber and Network Security” In Central Bank of India (CBI), Oct.2025 • Expert Session on “Artificial Intelligence and Prompt Engineering” to Indian Navy Officers at INS Hamla, July 2026. • Best Presenter Award in the 2 nd International Conference on Applied Sciences and Smart Technologies (InCASST 2025) (Scopus Indexed) held in Sanata Dharma University Yogyakarta-Indonesia. • Best Paper Award in IEEE International Conference (ICETET SIP-2023) held in GHRCE, Nagpur.
Subjects Taught		Artificial Intelligence, Machine Learning, Natural Language Processing, Cyber Security, IoT, Control Systems, Embedded System, Microwave and Antenna, Image Processing, Database Management System, Information and Network Security, Autonomous and Agent Base AI System, Advance AI, Digital Logic Design, Network Theory, Computer Network, Microprocessor and microcontroller etc.	