

Name of the faculty	<p>Mrs. Swati Chopade</p> 
Designation	Former HoD, Assistant Professor
Qualification	<p>B. Tech. Computer Engineering. (Walchand College of Engineering, Sangli), M. Tech. Computer Engineering. (Veer mata Jijabai Technological Institute, Mumbai) Ph. D. Computer Science and Engineering (Indian Institute of Technology, Varanasi)</p> <p>Qualified GATE 2005 with Percentile Score of 87.27.</p> <p>Qualified IBM DB2 fundamental Exam.</p> <p>Recognition as a teacher of Mumbai University for the M.E. Degree in Computer Engineering with effect from 19th November, 2012. Letter No. PG/I.C.D./ 2012-13 / 2273 of Dated 11 January 2013.</p>
Date of Joining	15 th April 2011
Contact No. / E-mail	Contact Number: 9224291443 / E-mail: schopade@mc.vjti.ac.in
Area of Research	Generative Artificial Intelligence and Machine Learning, Cloud Computing, High Performance Computing, Quantum Computing, Deep Learning, Data Science
Subjects Taught	Artificial Intelligence and Machine Learning, Object Oriented Analysis and Design, Mobile Computing, Internet of Things, Computer Network, Discrete Mathematics, Advanced Data base system, Operating System, Systems Programming, Data Base Management System, Java Programming, Computer Organization and Architecture, C Programming, C++ Programming, Data Mining, Distributed Systems, Distributed Operating Systems, Numerical Techniques, Mathematics and Statistical Foundations 1, Probability theory, Java and Python Programming Lab, Mobile Computing lab, Compiler Construction, Cloud Computing, Business Information Systems, Design and Analysis of Algorithms, Data Mining

Publications	Journal Publication		Conference Publication	
	International	National	International	National
	5+		10+	2+
Guidance	Guided More than 120 PG students			
Research Papers	<ol style="list-style-type: none"> 1. Swati Chopade, Hari Prabhat Gupta, Rahul Mishra, Aman Oswal, Preti Kumari, and Tanima Dutta, "A Sensors based River Water Quality Assessment System using Deep Neural Network," IEEE Internet of Things Journal, vol. 9, no. 16, pp. 14375-14384, 2022, doi:10.1109/JIOT.2021.3078892. 2. Swati Chopade, Hari Prabhat Gupta, Rahul Mishra, Preti Kumari, and Tanima Dutta, "An Energy-efficient River Water Pollution Monitoring System in Internet of Things," IEEE Transactions on Green Communications and Networking, vol. 5, no. 2, pp. 693-702, June 2021, doi:10.1109/TGCN.2021.3062470. 3. Swati Chopade, Hari Prabhat Gupta, and Tanima Dutta, "Survey on Sensors and Smart Devices for IoT Enabled Intelligent Healthcare System," Wireless Personal Communications, vol. 131, no. 3, pp. 1957-1995, 2023. 4. "Computational Intelligence in Agriculture," Hari Prabhat Gupta, Swati Chopade, Tanima Dutta, Emerging Computing Paradigms: Principles, Advances and Applications, Year 2022, Book Chapter, Publisher: Wiley. 5. Chopade S., Swati Chopade, Gawade S. (2022) A Sensors-Based Solar-Powered Smart Irrigation System Using IoT. In: Khosla A., Aggarwal M. (eds) Smart Structures in Energy Infrastructure. Studies in Infrastructure and Control. Springer, Singapore. https://doi.org/10.1007/978-981-16-4744-4_18. 6. Chopade, Sandeep, Swati Chopade, and Sushopti Gawade. "Multimedia Teaching Learning Methodology and Result Prediction System Using Machine Learning", Journal of Engineering Education Transformations Special Issue 1 (2022). 7. Swati Chopade, Mandar More, Raj Waghlikar, "CloudCraft: Transforming Resume Management System with Dynamic Cloud Deployment", 14th IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE 2024), 2024. 8. Gawade Sushopti, Raikar Komal and Swati Chopade, "Usability evaluation of agricultural websites", in proceedings of 4th International Conference on "Computing for Sustainable Global Development"(INDIACom-2017), Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, 136-141, 2017. 9. Gawade Sushopti, Palivela Hemant, Kulkarni Umesh, Swati Chopade and Sandeep Chopade, "Student Learning Analysis with Impact of Self-learning 			

- and Effectiveness During COVID-19”, Recent Innovations in Computing: Proceedings of ICRIC 2021, Volume 1, 529–539, 2022, Springer.
10. Khandare Samruddhi, Gawade Sushopti, Raikar Komal and Chopade Swati, ”Survey on Digital India Campaign”, International Journal of Engineering Research in Computer Science and Engineering, volume 2, number 12, 2016.
 11. Chaitrali Kotre, Swati Chopade, “Integration Of Arithmetic Encoding And Byte Pair Encoding For Enhanced Data Compression”, MukthShabd Journal (MSJ), ISSN NO: 2347-3150. Scientific Journal Impact Factor – 4.6, Volume XII, Issue 8, AUGUST 2023.
 12. Athar Shaikh, Swati Chopade, “Optimising Elliptic Curve Arithmetic for Use with Audio Encryption”, MukthShabd Journal (MSJ), ISSN NO: 2347-3150. Scientific Journal Impact Factor – 4.6, Volume XII, Issue 8, AUGUST 2023.
 13. Dikshant Ghadse, Swati Chopade, “Plant disease diagnosis through Image analysis and The Deep Learning”, 3rd International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS 2023).
 14. Shruti Padaya and Swati Chopade, “AI Personal Trainer Model using Human Pose Detection: OpenCV and Media Pipe”, MukthShabd Journal (MSJ), ISSN NO: 2347-3150, Scientific Journal Impact Factor – 4.6, Volume XII, Issue 8, AUGUST 2023.
 15. Selected the paper for final presentation and was ranked 4th in National level Technical Paper Presentation Competition-2005 organized by S. V. Institute of Computer Studies, KADI. The title of the technical paper was “Expert System on Medical Diagnosis”.
 16. Published the paper “Image Registration by Using Information Theory” in the National Conference on Soft Computing & Intelligent Systems (SCIS’08) held on 14th & 15th March 2008.
 17. Presented a paper Entitled “Two Stage Variable Block Size MRME & Wavelet” in National Conference on Communication, Information Technology & Automation on January 17-18, 2008.
 18. Presented the paper “Is your Information Really Secure?” in 7th International Conference on ITAM at JKLU, Jaipur (December 28-29, 2011).6 Accepted the paper entitled “Smart Anti-Corruption with Mobiles” in “International Research Conference on Advances in Business, Management and engineering.
 19. Swati Chopade, Aakash Jain, Sandeep Chopade, “Harnessing WebAssembly for Enhanced Web Development: A JavaScript Comparison,” International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), SJIF- Impact Factor: 8.423, Monthly peer reviewed referred journal, Volume 13, Issue 7, July 2024, DOI: 10.15680/IJIRSET.2024.1307032.
 20. Swati Chopade, Neha Gholap, Sandeep Chopade, “Predicting Fraud Victimization: A Classical Machine Learning Approach,” International Journal

- of Innovative Research in Science, Engineering and Technology (IJIRSET), SJIF- Impact Factor: 8.423, Monthly peer reviewed referred journal, Volume 13, Issue 7, July 2024, DOI:10.15680/IJIRSET.2024.1307059.
21. Jeet Joshi, Swati chopade, “Architecting a Comprehensive Digital Infrastructure for Academic Institution,” in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Vol.12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206064.
22. Swati Chopade, Mandar Shirodkar, “The Implementation & Impact of Student Feedback System in Educational ERP Solutions,” in IJIRCCE, SJIF- Impact Factor: 8.423, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206075.
23. Rohan Rao, Swati Chopade, “Pre-Training and Fine-Tuning of Bidirectional Encoder Representations using Transformers,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206083
24. Prasad Bhoite, Swati Chopade, “Advancements and Applications of Artificial Intelligence in Education, ” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206085.
25. Yogesh Umalkar, Swati Choapade, “Ethics and AI: Mitigating Bias in Machine Learning Models,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206086.
26. Swati Chopade, Aniket Kasture, “Enhancing Efficiency and Sustainability: Implementing an Improved Exam Management System ERP in Higher Education,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206065
27. Siddhesh Ghule, Swati Chopade, “Enhancing Fine-Grained Image Classification for Bird Species Identification Using Attention Mechanisms,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206089.
28. Rupesh Thakur, Swati Chopade, “Comparison of Travel Diaries with Instagram for Traveler Insights,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206091.

	<p>29. Swapnil Patil, Swati Chopade “Impact Of Augmented Reality in Education,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206093</p> <p>30. Omkar Kharade, Swati Chopade, “The Rise Of Deepfake Technology,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206094.</p> <p>31. Onkar Kolvankar, Swati Chopade “Analysis of Different Methods for Sentiment Analysis,” International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), SJIF- Impact Factor: 8.379, Monthly peer reviewed referred journal, Volume 12, Issue 6, June 2024, DOI: 10.15680/IJIRCCE.2024.1206104.</p>
<p>Collaboration/Interaction with outside world</p>	<p>Worked as HoD of MCA Department.</p> <p>Worked as a Judge for AI papers in the National Conference on Emerging Trends in Computer Technology (N. C. E. T. C. T. -09) on 21-22 Dec, 2009.</p> <p>Organized one - day seminar on Computer Vision in 2005.</p> <p>MCA Admission ARC Coordinator in May 23, 2011.</p> <p>Attended SAARC Conference on 12th and 13th December 2011.</p> <p>Selection Committee Member as a Subject Expert for conducting the Interviews.</p> <p>Industry Institute Interaction Slot Coordinator</p> <p>Attended STTP on “Advance Pedagogy and Managing Learning Process”.</p> <p>Attended training program on “Design and Development of Dynamic Website” at NITTTR, Bhopal.</p> <p>Attended workshop on “Cloud Computing”.</p> <p>Attended STTP on “Introduction to Research Methodologies”.</p> <p>Attended STTP on “Database Management Systems”</p> <p>Attended STTP on “Effective teaching/learning of Computer Programming”</p> <p>Attended STTP on “Opportunities & Trends in Information System Security”</p>
<p>Membership of Professional Body</p>	<p>Life member of Computer Society of India: LM - 01213760.</p> <p>Life member of ISTE: LM - 34346</p>