



FACULTY PROFILE ON WEBSITE

Faculty Name	Pushpanjali S	
Academic Designation	Assistant Professor	
Educational Qualification	MCA	
Experience in Teaching & Industry	8 yrs (+5 yrs industry Exp)	
Date of Joining	01.01.2025	
Official Email ID	pushpanjali-mca@dsatm.edu.in	
Employee ID	180833	

Educational Details

- **Doctor of Philosophy (PhD)** – Dayananda Sagar Academy of Technology and Management – Registered under VTU (Dec 2025)
- **Master of Computer Applications (MCA)** – Dayananda Sagar College of Engineering (2013)
- **Bachelor of Science (BSc)** – BMS College for Women (2010)
- **Pre-University** – Sri Bhagawan Mahaveer Jain College (2007)
- **SSLC** – Indian High School (2005)

Professional Experience

- Working as Assistant Professor in Dayananda Sagar Academy of Technology and Management (January 2025 – till date)
- Worked as Lecturer in Vidya Mandir Ind. PU College (May 2019 – February 2020 | July 2021 – December 2024)
- Worked as Guest Faculty in Dayananda Sagar College of Arts, Science and Commerce (January 2019 – April 2019)
- Worked as System Engineer – ClientOps in Cerner Healthcare Solutions (now Oracle) (July 2013 – December 2017)

Publications

1. A Novel Approach to IoT based Plant Health Monitoring System Based on MLR-RBF Approach (3rd IEEE International Conference on Data Science and Network Security (ICDSNS – 2025)) – DOI: 10.1109/ICDSNS65743.2025.11168611

2. Hybrid AI System for Smart E-Waste Collection, Classification, and Resource Recommendation using IoT and ML (2025 International Conference on Electronics and Computing, Communication Networking Automation Technologies (ICEC2NT)) – DOI: 10.1109/ICEC2NT65402.2025.11380046
3. Co-Optimization of Algorithms and Semiconductor Architectures for AI Acceleration (International Conference on Machine Learning and Autonomous Systems (ICMLAS-2026)) – DOI:10.1109/ICMLAS67792.2026.11483779
4. Information Mask RCNN Model for Intelligent IoT-Based Air Pollution Prediction and Urban Environmental Management (2026 1st International Conference on Electronics, Packaging, Design & Manufacturing Conference) – DOI: 10.1109/EPDMC67535.2026.11496483
5. Modeling and Validation of an Origami-Inspired IoT Kinetic Façade System (2026 – 4th IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS – 2026)) – DOI: 10.1109/ICKECS70176.2026.11527749
6. Structural Damage Assessment and Repair Estimation Using Convolutional Neural Networks (4th IEEE International Conference on Knowledge Engineering and Communication Systems) – DOI: 10.1109/ICKECS70176.2026.11527732

Faculty Development Activity/Workshops

- Faculty Enrichment Program – LTIMindTree (April 2025)
- AI and Data Analytics for Sustainable Development Goals – ATAL FDP conducted by RNS Institute of Technology (August 2025)
- AI For Educators Workshop at DSATM (September 2025)
- Educate the Educator on Agentic AI FDP at DSATM (April 2026)

Contact Details

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