



FACULTY PROFILE ON WEBSITE

Faculty Name	Mamatha A	
Academic Designation	Assistant Professor	
Educational Qualification	BE, M. Tech.	
Experience in Teaching & Industry	3yrs & 2yrs	
Date of Joining	23-01-2024	
Official Email ID	mamatha-cse@dsatm.edu.in	
Employee ID	180757	

Educational Details

- Ph.D - Pursuing under VTU
- M.Tech (Computer Science and Engineering), Dayananda Sagar College of Engineering, Bengaluru, VTU Belagavi, 2021.
- B E (Computer Science and Engineering), VTU Belagavi, 2019.

Professional Experience

- Working as Assistant Professor in Dept. of CSE at Dayananda Sagar Academy of Technology & Management, Bengaluru from January 2024 to till date

Publications

1. Mamatha, A., and S. Shalini. "Artificial Intelligence-based Green Technologies for Efficient Agriculture." *ITM Web of Conferences*. Vol. 79. EDP Sciences, 2025.
2. Shalini, S., Mamatha, A., Sheela, S., Mala, B.A., Lutimath, N.M., Biswas, K. (2026). The Need for Sustainable AI-Based Green Technology for Soil Management in Agriculture. In: Iglesias, A., Shin, J., Bhatt, N., Joshi, A. (eds) *Information Systems for Intelligent Systems*. ISBM 2025. Lecture Notes in Networks and Systems, vol 1750. Springer, Cham. https://doi.org/10.1007/978-3-032-12993-2_22

3. Mamatha. A, S. S, V. P. Potdar, S. Jaka, S. K. N and V. V. Korti, "Enhancing Cervical Cancer Diagnostics: Integrating Hybrid Machine Learning Models for Improved Accuracy," 2026 International Conference on Emerging Research in Smart Electronics and Machine Informatics (ECMI), Chikkamagaluru, India, 2026, pp. 1-8, doi: 10.1109/ECMI68341.2026.11602923.
4. Subbalakshmi, Chatti, Mamatha A, et al. "EEG Signal Analysis for Accurate Epilepsy Detection with Advanced Deep Learning Models." 2025 IEEE 1st International Conference on Recent Trends in Computing and Smart Mobility (RCSM). IEEE, 2025.
5. G. Pushkarna, Mamatha. A, R. Ahluwalia and V. Batra, "An Interpretable Deep Learning Approach for Complex Time-Series Classification," 2026 2nd International Conference on Big Data & Machine Learning (ICBDML), Bhopal, India, 2026, pp. 1-6, doi: 10.1109/ICBDML68582.2026.11545030.
6. N. M. Lutimath, D. H N, B. V, and Mamatha. A, "Prediction of Parkinson's Disease: An MLP Approach," 2025 World Conference on Cutting-Edge Science and Technology (WCCEST), Indore, India, 2025, pp. 1-5, doi: 10.1109/WCCEST66994.2025.11389878.

Academic Activity

- NBA ,NAAC criteria documentation
- Project guidance
- Patent filing
- Research and Paper presentations

Faculty Development Activity/Workshops

1. Participated in 5-Days Faculty Immersion Program on "Empowered Teachers as the torch bearers and pedagogical leaders" organized by Teaching Learning Center, DSATM, Bengaluru, from 26-02-2024 to 01-03-2024.
2. Participated in 5days Online Course on "Next Generation Networks and AI for Data Analytics" from March 22-27, 2021 organized by Technology Innovation Hub (IIT).
3. Participated in One Week Faculty Development Program (Offline) on "Emerging Trends in Cyber Security and Mobile Forensics with Practical Approach" from 19th to 23rd January, 2026 Organized by E&ICT Academy, IIT Guwahati.

Contact Details

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