Faculty Name	Mrs. Mahalakshmi G	
Academic Designation	Assistant Professor	
Educational Qualification	B.E , M.E.,(Ph.D.)	
Experience in Teaching & Industry	6 years & 1 year	
Date of Joining	15/04/2024	
Official Email ID	mahalakshmi-aiml@dsatm.edu.in	
Employee ID	180795	

Educational Details

B. E in Information Science from Sri Krishna Institute of Technology affiliated to VTU
M. E in Information Technology from UVCE
Pursuing PhD in Dayananda Sagar Academy of Technology and Management

Professional Experience

Worked in SAP as admin for 1 year
Worked as Assistant Professor in Acharya Institute of Technology for 4 years
Working as Assistant Professor in Dayananda Sagar Academy of Technology and Management from past 2 years.

Publications : 7

[1] **Scopus Indexed Publications:** Enhancing Renewable Energy Forecasting using Roosters Optimization Algorithm and Hybrid Deep Learning Models in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[2] FDS-RFP Federated Learning with Diagonal Swin Attention Model Differential Privacy for Smart Healthcare Systems in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[3] Lightweight CNN Using BRT-Expressionnet for Facial Expression Recognition in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[4] ZTXPlainaAI an explainable deep learning framework for encrypted traffic anomaly detection in Zero Trust Networks in a Journal "Discover Computing

[5] Multimodal AI Chatbot for Skin Disease in "International Conference on Innovations in Intelligent Systems Advancements in Computing Communication and Cybersecurity Isac3 2025"

[6] Artificial Intelligence for Sustainable Agriculture and Improved Nutritional Outcomes in "Proceedings of the 2026 6th International Conference on Image Processing and Capsule Networks Icipcn 2026"

[7] AI Attorney Chatbot for Legal Assistance.in "2025 International Conference on Future Technologies Icft 2025"

International Conferences:

1. ZTXPlainaAI an explainable deep learning framework for encrypted traffic anomaly detection in Zero Trust Networks in a Journal "Discover Computing "
2. *Multimodal AI Chatbot for Skin Disease in "International Conference on Innovations in Intelligent Systems Advancements in Computing Communication and Cybersecurity Isac3 2025"*

National Conferences: 5

[1] Enhancing Renewable Energy Forecasting using Roosters Optimization Algorithm and Hybrid Deep Learning Models in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[2] FDS-RFP Federated Learning with Diagonal Swin Attention Model Differential Privacy for Smart Healthcare Systems in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[3] Lightweight CNN Using BRT-Expressionnet for Facial Expression Recognition in "2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025"

[4] Artificial Intelligence for Sustainable Agriculture and Improved Nutritional Outcomes in "Proceedings of the 2026 6th International Conference on Image Processing and Capsule Networks Icipcn 2026"

[5] AI Attorney Chatbot for Legal Assistance.in "2025 International Conference on Future Technologies Icft 2025"

Patents

1. Patent published in the field of IOT dated 14/12/2025 " TRANSFORMING PUBLIC ADMINISTRATION THROUGH SMART CIVIC ENGAGEMENT IN THE DIGITAL AGE " Application No : 202541126512
2. Patent published in the field of image processing dated 14/12/2025 " Intelligent Lost and Found using image processing and optical character recognition " Application No : 202541126515
3. Patent published in "Self-Learning Image Restoration framework for medical Imaging using Sparse feature Extraction and Deep Reinforcement learning" patent published 14/02/2025. Application No:202541010769

Conference Attended

NIL

Academic Activity

Institute level TEDxDSATM coordinator
Department level Time Table coordinator
Department level ACM coordinator
Department level BoS coordinator(AIML Dept.)

Faculty Development Activity/Workshops

1. Successfully completed FDP on "AI for Educators
2. AI for Future Workplace Program.
3. Research Structuring and Publication Process
4. FEP on Machine Learning and NLP
5. Data Analytics and Visualization with Power BI and Tableau

Contact Details

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