

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
STAFF PROFILE**

Staff Name	Ms.Priyadharshini.SP	
Faculty ID	TAM10	
Designation	Assistant Professor	
Qualification	M.E, (Ph.D)	
Teaching Experience	6 Years	
Area of interest	Artificial Intelligence, Machine Learning	
Subjects Expertise	Machine Learning, Computational Intelligence, Theory of Automata	
Books Published	Priyadharshini, S. P., & Balamurugan, P. (2023). An In-Sight Analysis of Cyber-Security Protocols and the Vulnerabilities in the Drone Communication. In Drone Data Analytics in Aerial Computing (pp. 243-259). Singapore: Springer Nature Singapore.	
Journals published	<ul style="list-style-type: none"> • Priyadharshini, S. P., & Balamurugan, P. (2024). An efficient DDoS attack detection and prevention model using fusion heuristic enhancement of deep learning approach in FANET sector. Applied Soft Computing, 167, 112438. • Priyadharshini, S. P., & Balamurugan, P. SafeRoute: An Effective Hybrid Routing Mechanism for Enhanced Security and Reliability in UAV Networks. Journal of Machine and Computing. • Yogaraja, C. A., Priyanka, C., SP, P., Babu, J. J., Rajagopal, S., & Poorani, S. (2024, July). Enhancing Insect Image Recognition with Sand Cat Swarm Optimization with Deep Feature Extraction. In 2024 Second International Conference on Advances in Information Technology (ICAIT) (Vol. 1, pp. 1-6). IEEE. • Priyadharshini.SP and P. Balamurugan, "Empirical Analysis of Packet-loss and Content Modification based detection to secure Flying Ad-hoc Networks (FANETs)," 2023 International Conference on Networking and Communications (ICNWC), pp. 1-8, 2023. • Priyadharshini.SP and P. Balamurugan, "Unmanned Aerial Vehicle in the Smart Farming Systems: Types, Applications and Cyber-Security Threats," International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES), pp. 1-9, 2022. • Priyadharshini.SP, R.Velvizhi "Handy Tech Medicine", International Journal of Engineering and Advanced Technology (IJEAT), Scopus, Volume 8 (6), Pages 207-209, IF: 1.0, Nov 2019 • Priyadharshini.SP, B.Mahalakshmi "Room Temperature Notification Device", International Journal of Engineering and Advanced Technology (IJEAT), Scopus, Volume 8 (6), Pages 210-212, IF: 1.0, Nov 2019. • S.Jeyapriyanga, Priyadharshini.SP "Product Label Reading System for Blind People using Support Vector Machine", International Journal of Engineering and Advanced Technology (IJEAT), Scopus, Volume 8 (6), Pages 179-186, IF: 1.0, Nov 2019. • Priyadharshini,SP, J.Kalaivani "A Survey on Quantum Cryptography", International Journal of Pure and Applied Mathematics (IJPAM), Scopus, Special Issue Volume 119 No.15, Pages 3185-3191, IF: 7.19, June 2018. • Priyadharshini,SP, Preethy.J"Survey on Information Retrieval and Stored Procedure" in International Journal for Research in Applied Science and Engineering Technology (IJRASET)", Volume 6, Issue III, March 2018. • Priyadharshini.SP, Rajesh.R"An Analysis of Effective Machine-to-Machine Communication for Nuclear Power Plant through Neural Support Algorithm," in the International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE),Vol.5, Issue 12, December 2015. • Priyadharshini.SP, Rajesh.R"The Internet Of Things: A Survey on Effective M2M Communication," in the International Journal of Advanced Research in Science, Engineering and Technology (IJARSET), Vol. 2, Issue 10, October 2015. 	
Conference / workshop attended	15	
Funded Project Details	Received Fund of Rs.40,000 for conducting International Seminar on the Topic "Machine Learning Techniques for Medical Image Applications" funded by ICMR	
Ph.D Guidance	-	
Patents	<ul style="list-style-type: none"> • Artificial Intelligence-Enhanced Smart Farming System for Precision Irrigation Using Soil Moisture Data and Machine Learning Models (Patent number -202431101946) • Artificial Intelligence based knowledge evolutionary process for Optimization decision support and personalized recommendation in E-Commerce using Machine Learning Algorithms (Patent number - 202441041086) • Reliable Approach for DDoS Attack Detection and Prevention using Ensemble Deep Learning Algorithms In Multi-UAV Networks (Patent number - 202341036441) 	
Awards & Achievements	-	