KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: Computer Science/Computer Applications/Data Science

Dr. Dhanamalar M
Associate Professor
Department of Computer Science
School of Computational & Physical Sciences

Areas of Specialisation:
Artificial Intelligence and Machine Learning, Deep Learning, Natural Language Processing and Text Mining & Predictive Analytics

Dr. M. Dhanamalar is an Associate Professor in the Department of Computer Science at Kristu Jayanti University, Bangalore. She earned her Ph.D. from Mother Teresa Women's University with her thesis "Hybrid Recommendation System for Health Care Forum with Disease Inference using Deep Learning", which introduced an integrative framework for intelligent healthcare informatics. With over 22 ears of teaching and research experience, she specializes in Natural Language Processing, Machine Learning and Deep Learning. Her research contributions include medical image analysis, healthcare cost prediction, brain tumor detection, and AI-enabled IoT systems. She has published more than 20 papers in Scopus-indexed journals and reputed international conferences, including IEEE and Springer proceedings. Beyond publications, She has also filed patents on AI-driven waste treatment systems and smart IoT-based sorting devices, showcasing her focus on practical innovations with societal impact.

Selected Publications:

1. Harne, S., **Dhanamalar, M.**, Chanakya, D., Busa, K., Bramhe, P., and Tiwari, R. (2024). Advanced Deep Learning Approaches for Personalized Medical Image Analysis: Revolutionizing Healthcare with Precision Imaging. IEEE. https://doi.org/10.1109/icraset63057.2024.10895711

2. Vijayalakshmi, K., **Dhanamalar, M.**, Lepakshi, V. A., and Jamtsho, S. (2024). Smart Checkpoint Management System for Automatic Number Plate Recognition in Bhutan Vehicles Using OCR Technique. SN Computer Science, 5(5). https://doi.org/10.1007/s42979-024-02905-2

3. Ayshwarya, B., **Dhanamalar, M.**, and Sasikumar, V. R. (2023). Heart Diseases Prediction Using Back Propagation Neural Network with Butterfly Optimization. IEEE. https://doi.org/10.1109/icecct56650.2023.10179742