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. Gopinath D
Assistant Professor
Department of Computer Science
School of Computational & Physical Sciences

Areas of Specialisation:
Computer Networks, Artificial Intelligence and
Machine Learning, Internet of Things (IoT), Data Mining, Cybersecurity

Dr. Gopinath D is an Assistant Professor in the Department of Computer Science, School of Computational and Physical Sciences, at Kristu Jayanti (Deemed-to-be University), Bengaluru, with over a decade of academic and research experience. He holds a Ph.D. in Computer Science from Bharathiar University. His research expertise spans Computer Networks, Artificial Intelligence, Machine Learning, Internet of Things (IoT), Data Mining, Cybersecurity, and Data Science, with notable contributions to adaptive algorithms, secure routing in MANETs, and AI-driven health informatics. He has published 17 Scopus-indexed research papers, totaling 31 publications, including articles in reputed IEEE, Springer, and other international journals, as well as presentations at multiple international conferences. His innovations include patents in IoT-based smart healthcare management and real-time cybersecurity risk assessment. He has authored two academic books—Foundations of Data Science and The Fundamentals of Natural Language Processing—and contributed chapters on advanced AI and big data applications. He actively engages in interdisciplinary projects, integrating AI with biomedical applications, disaster management, and environmental health.

Selected Publications:

1. Jayakarthik, R., **Gopinath D**., Begum, M. A., Fuladi, A. D., Balaram, A., and Raja, Ch. (2025). EnvHealthNet: A Multi-Modal Machine Learning Model for Commercial Environmental Health Risk Prediction. IEEE. https://doi.org/10.1109/icpcsn65854.2025.11035277

2. Ranga, J., M, S. T., Ashraf, S., T, Porselvi., Thatipudi, J. G., and **Gopinath D**. (2025). EcoChargePathway: A Framework for Electric Vehicle Charging Optimization using Real-Time Analytics. IEEE. https://doi.org/10.1109/icima64861.2025.11073914

3. Chamundeswari, G., Kamma, P., **Gopinath D**., M S, J., Raja, Ch., and Tiwari, M. (2025). MorphoVisionMapper: A Predictive Model for Structural and Morphological Image Analysis in Biomedical Applications. IEEE. https://doi.org/10.1109/icssas66150.2025.11080803