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. Gopika S
Assistant Professor
Department of Computer Science
School of Computational & Physical Sciences

Areas of Specialisation:
Machine Learning, Image and Video Analysis,
Natural Language processing , cyber security, Deep Learning

Dr. Gopika S is an accomplished Assistant Professor in the Department of Computer Science at Kristu Jayanti (Deemed-to-be) University, where she also serves as the Assistant Controller of Examinations. With two decades of teaching experience in engineering and science colleges, she is a NET-qualified academician with a strong research background. She earned her Ph.D. in Computer Science from SRM University, Chennai, where her doctoral research focused on Blind Quality Assessment of NSS images. She has also received multiple Best Paper Awards at international conferences. She has an impressive academic and research portfolio, with over 50 publications in indexed journals, 39 Scopus citations, and 5 published patents. She has authored books and successfully completed multiple funded community-collaborative and research projects as Principal Investigator, exploring cutting-edge areas in machine learning, artificial intelligence, and deep learning. Her most recent funded research project focuses on developing an AI Companion using large language models (LLMs) to address issues faced by teenagers in the current era. In addition to her research accomplishments, she has demonstrated excellence in academic leadership and professional development. Notably, she coordinated an AICTE-sponsored ATAL Faculty Development Programme at Kristu Jayanti in 2024–25, reflecting her expertise in organizing impactful academic initiatives.

Selected Publications:

1. Jacob, M., **Gopika, S**., Ravindran, D., and Veerachamy, V. (2025). Implementation of Reinforcement Learning-Optimized Communication Protocols for VANETs: Challenges and Solutions. Springer Nature Singapore. https://doi.org/10.1007/978-981-96-4679-1_19

2. Jacob, M., **Gopika, S**., and Cheripurathu, K. G. (2025). Multi-Constraint Multicast Routing for VANET using Hybridized Ant Colony with Artificial Bee Colony Optimization Algorithm. IEEE. https://doi.org/10.1109/icssas66150.2025.11081285

3. Sreelekshmi, S., Gayathri, S., and **Gopika, S**. (2025). Unveiling Windows Security: Detecting Security Breaches Using Windows Event Logs. Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-91005-0_34