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. Haripriya M P
Assistant Professor
Department of Computer Science
School of Computational & Physical Sciences

Areas of Specialisation:
Cyber Security and Crtyptograpgy ,5G and Next-Generation Communication Systems, AI & ML,Smart Healthcare and Robotic Surgery Systems

Dr. Haripriya M P is passionate about leveraging artificial intelligence, cybersecurity, 5G, and IoT to shape the future of networking and communication systems. Her research focuses on developing secure, intelligent, and low-latency frameworks that ensure trust, efficiency, and resilience in next-generation digital infrastructures. She has contributed to innovations such as cryptosystem-based authentication methods, network intrusion detection, encryption models, trust-aware IoT frameworks, and bandwidth optimization models for 5G, strengthening both security and performance in critical applications. With more than 16 publications in reputed journals and international conferences, her work spans cybersecurity, quantum computing, AI-driven prediction models, edge computing with NFV, lightweight virtualization, and meta-learning strategies. While networking and communication form the core of her research, she has also extended these technologies to smart healthcare and robotic surgery, where real-time communication plays a vital role in patient safety. She actively advances interdisciplinary research and student mentorship, bridging the gap between academic innovation and real-world technological applications.

Selected Publications:

1. **Haripriya, M. P**., and Venkadesh, P. (2021). Trust aware IoT enhanced B-tree node authentication for secured 5G wireless communication. International Journal of Ultra Wideband Communications and Systems, 4(3/4), 139. https://doi.org/10.1504/ijuwbcs.2021.119133

2. Ramasamy, S., Kantharaju, H. C., Bindu Madhavi, N., and **Haripriya, M. P**. (2023). 8 Meta-learning through ensemble approach: bagging, boosting, and random forest strategies. De Gruyter. https://doi.org/10.1515/9783111323749-008

3. Anbazhagu, U. V., Priyadharshini, K., Deepajothi, S., **Haripriya, M. P**., and Banu, E. A. (2024). Quantum Computing in Healthcare Using AI-Driven Medical Technologies. IGI Global. https://doi.org/10.4018/979-8-3693-6875-6.ch014