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

Areas of Specialisation:
Medical Document Mining and Text Analytics, Machine Learning, Data Mining, Natural Language Processing (NLP), Healthcare Informatics

Dr. Poongothai P is an Assistant Professor in the Department of Computer Science, School of Computational and Physical Sciences, at Kristu Jayanti (Deemed-to-be) University, Bengaluru, Karnataka. She earned her Ph.D. in Computer Science from Bharathiar University, Coimbatore, Tamil Nadu, where she was awarded the Junior Research Fellowship under the Rajiv Gandhi National Fellowship Scheme by the University Grants Commission, New Delhi, for five years (2013–2018). Her doctoral research focused on the design and development of improved classification methods for medical document mining. Her research interests include data mining, machine learning, medical informatics, natural language processing, concurrent engineering, digital image processing, and networks. She has published over seven papers in leading journals, authored one book, contributed three book chapters, and presented eight papers at national and international conferences. She also serves on the Editorial Committee of the Kristu Jayanti University Journal.

Selected Publications:

1. Prakash, V. S., Murugesan, P., **Poongothai, P.**, N, S. B., Vijayakumar, P., and Shriidhar, P. J. (2024). Artificial Intelligence in Cybersecurity: Enhancing Automated Defense Mechanisms to Combat Sophisticated Cyber Threats and Guarantee Digital Resilience. IEEE. https://doi.org/10.1109/gcat62922.2024.10923968

2. Prakash, V. S., Thavamani, K. K., Sivakumar, A., Kumar, R., Mary T, M., and **Poongothai, P**. (2024). Experimental Evaluation of an Elliptical Curve Cryptographic Model Based Data Security Over Communication Channels Using Cybersecurity Logics. IEEE. https://doi.org/10.1109/iscs61804.2024.10581344

3. Vignesh, R., Balaraju, J., **Poongothai, P**., Rajput, V., Rajkumar, N., and Pratheep, V. G. (2024). Real-time Human Action Recognition using Deep Convolutional Neural Networks. IEEE. https://doi.org/10.1109/icccnt61001.2024.10725445