



Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: **Computer Science**



Dr. Stephen A

Assistant Professor
Department of Computer Science (UG)
School of Computational & Physical Sciences

Areas of Specialisation:

Artificial Intelligence (AI), Machine Learning (ML), Data Science
Big Data Analytics, Edge Computing and Edge Analytics

Dr. Stephen A is an Assistant Professor in the Department of Computer Science at Kristu Jayanti (Deemed-to-be University), Bengaluru. He holds a Ph.D. in Computer Science with a specialization in the Internet of Things (IoT). He completed his academic training at Loyola College and St. Joseph's College, building a strong foundation in computing and applied technologies. His primary research focus lies in IoT-based smart systems, with growing interests in Artificial Intelligence (AI) and Machine Learning (ML) for developing intelligent, data-driven applications. He has published several research papers in reputed Scopus-indexed journals and has presented his work at both national and international conferences. He has also contributed to interdisciplinary projects, including IoT-enabled agricultural solutions for disease detection. He has actively served as a resource person in various workshops and faculty development programs across India, delivering sessions on IoT, AI, ML, and cloud technologies. His research endeavours aim to integrate IoT with AI and ML to address real-world challenges through innovative technological solutions. He is deeply committed to mentoring research scholars and fostering innovation, guiding them to develop impactful solutions aligned with emerging technological trends.

Selected Publications:

1. **Stephen, A.** (2026). STARO Framework for Rank Attack Detection in RPL. In *Studies in Systems, Decision and Control* (pp. 477–484). Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-10016-0_37
2. V, G., **A, S.**, & M, P. (2023). Diagnosis of Pregnant Women Review with Wireless Body Sensor Network. In *Proceedings of the 5th International Conference on Information Management & Machine Intelligence* (pp. 1–5). ACM. ICIMMI 2023: International Conference on Information Management & Machine Intelligence. <https://doi.org/10.1145/3647444.3652474>
3. Amjad Hassan Khan, M. K., Aswin Herbert Sathish, R., Ayshwarya, B., Padaki, R., **Stephen, A.**, & Mainali, A. (2026). Enhancing Home Security with IoT-Enabled Smart Intruder Detection System on the Cloud. In *Studies in Systems, Decision and Control* (pp. 485–497). Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-10016-0_38