



Centre for Research & Development

Research Supervisor (Guide) Profiles

Discipline of Supervision: **Computer Science/Computer Applications/Data Science**



Dr. V S Prakash

Associate Professor
Department of Computer Science
School of Computational & Physical Sciences

Areas of Specialisation:

Data Mining, Networks, Cloud Computing,
Cybersecurity, and Artificial Intelligence applications in agriculture

Dr. V.S. Prakash is an Associate Professor in the Department of Computer Science at Kristu Jayanti (Deemed-to-be) University, Bengaluru. He earned his Ph.D. from Anna University, where his doctoral research focused on data mining, cloud computing, and network security, with applications in cybersecurity and emerging technologies. His research interests include computer networks, cloud computing, cybersecurity, and artificial intelligence applications in agriculture. He has published more than 50 papers in reputed journals indexed in Scopus, Web of Science, and UGC-CARE, along with book chapters and conference proceedings. His work has received over 180 citations, with an h-index of 7 and an i10-index of 9. Dr. Prakash serves as a Research Advisory Committee Member at Visvesvaraya Technological University (VTU), where he guides research scholars in diverse domains of computer science. He is also on the editorial boards of international journals and contributes as a reviewer. His research contributions extend to innovations and patents, including a granted utility patent, a design patent, and two authored books, covering areas such as artificial intelligence, agricultural technology, IoT systems, and cybersecurity. A recipient of the Best Senior Faculty Award from NSP Journals, Dr. Prakash is actively involved in multidisciplinary projects that integrate computing with real-world problem solving.

Selected Publications:

- 1. Prakash, V. S.,** Vinothina, V., Kalaiselvi, K., and Velusamy, K. (2022). An improved bacterial colony optimization using opposition-based learning for data clustering. *Cluster Computing*, 25(6), 4009–4025. <https://doi.org/10.1007/s10586-022-03633-z>
- 2. 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>
- 3. 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>