



Centre for Research & Development

Research Supervisor (Guide) Profiles

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



Dr. Velmurugan R

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

Areas of Specialisation:

Web and Social Media Mining, Advanced Data Mining,
Predictive Analytics, Big Data Analytics, Business Intelligence.

Dr. Velmurugan R is the Coordinator and Professor in the Department of Computer Science (PG), School of Computational and Physical Sciences, at Kristu Jayanti (Deemed-to-be University), Bengaluru, India. He holds a Ph.D. in Computer Science from Manonmaniam Sundaranar University, Tirunelveli. His doctoral research focused on A Context-Aware Multi-level Clustering for Personalized Web Search using Semantic Pattern-Based Search Log Methods. His research interests include intelligent information retrieval, personalized search, and semantic web technologies, with a particular emphasis on enhancing user-centric web experiences through advanced clustering and pattern analysis. Dr. Velmurugan has published more than 20 research papers in reputed international journals and conferences and holds two patents in computer science. His academic contributions span guiding postgraduate research, coordinating departmental initiatives, and fostering innovation in computational sciences. His work effectively integrates theory and practice, bridging artificial intelligence techniques with real-world challenges in search optimization and data management.

Selected Publications:

1. Deepa, B. G., **Velmurugan, R.**, Narender, M., & Suhaas, K. P. (2026). A data-driven approach to predicting breast cancer recurrence with hybrid machine learning models. *Advances in Computational Design*, 11(1), 79-96. <https://doi.org/10.12989/acd.2026.11.1.079>
2. **Velmurugan, R.**, Suresh, K., Thilagaraj, T., Sharma, M., & Saranya, D. (2025). Enhancing prognostication in colorectal cancer with integrated machine learning for improved survival prediction. *2025 International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI)*, 1681-1686. <https://doi.org/10.1109/ICMSCI62561.2025.10894577>
3. Ayshwarya, B., & **Velmurugan, R.** (2021). Intelligent and safe medication box in health IoT platform for medication monitoring system with timely reminders. *2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)*, 1828-1831. <https://doi.org/10.1109/ICACCS51430.2021.9442017>