Faculty Profile



Dr. Selvin Prem Kumar S , M.E., Ph.D.
Assistant Professor (SG)/CSE

HIGHLIGHTS:

- Number of Journal Publications: 10
- H-Index: 3
- Project Funding Received:
- Patents Published: 1
- Patents Granted:

PROFESSIONAL LINKS:

- Scopus ID: 57188564340
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57188564340
- Google Scholar ID: Dr. Selvin Prem Kumar S - Google Scholar
- Anna University Faculty ID: 2662161980
- AICTE Faculty ID: 1-441950981
- Anna University Supervisor ID: Nil
- LinkedIn: https://www.linkedin.com/in/dr-s-selvin-prem-kumar-420609378/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 21.1 years

INTERNATIONAL EXPOSURE:

- D. Menaka, L. Padmasuresh, S. Selvin Prem Kumar, "Wavelet Transform based Land Cover Classification of Satellite Images, Artificial Intelligence and Evolutionary Algorithms in Engineering Systems, Springer series, 2015.
- Land Cover Classification of Multispectral Satellite Images Using QDA Classifier, 2014 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT)
- Selvin Prem Kumar S, Agees Kumar. C, Jemila Rose R, "ERCNN-DRM: an efficient regularized convolutional neural network with a dimensionality reduction module for the classification of brain tumour in magnetic resonance images, Automatika, Vol.64, No.1, 2023.
- Selvin Prem Kumar S, Agees Kumar. C, Anita Venugopal and Aditi Sharmad, "An efficient hybrid bert model for brain tumor classification" Journal of Intelligent & Fuzzy Systems 46 (2024) 7241–7258.
- Selvin Prem Kumar S, Agees Kumar. C, "Computer Aided Diagnosis of Brain Tumour Using Walrus Optimization Algorithm", J. Electrical Systems 20-3 (2024): 9720-9735.
- Karthika Priya D1, Selvin Prem Kumar S2, Krishna Prakash Arunachalam3 and Shobana Ganesan4 , Categorization of motor imagery EEG signal using optimal feature selection based multi-scale attention model, Intelligent Data Analysis 2026, Vol. 30(4) 992–1005
- Real-Time Driver Face Recognition and Fatigueb Detection Through Adaptive Spiking Vision AlertNet Classification.IEEE Xplore Part Number: CFP25V66-ART; ISBN: 979-8-3315-5503-0
- On the Stability and Limitations of Causal Discovery in Global Crop Yield Modeling: A Multi-Country Bootstrap Analysis, 2026 12th International Conference on Communication and Signal Processing (ICCSP)
- Generalization Limits of Machine Learning-Based Crop Yield Prediction Across Countries and Climates, 2026 12th International Conference on Communication and Signal Processing (ICCSP)
- A Dual-Phase Metaheuristic CSO-GWO Optimized XGBoost for Household Load Forecasting IEEE Xplore Part Number: CFP26M19-ART; ISBN: 979-8-3315-5318-0

AREA OF SPECIALIZATION:

- Cryptography
- Network Security
- Artificial Intelligence
- Deep Learning

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented a paper entitled “Fast Detection Privacy Leakage using Flow Intent”, 7th International Conference on Emerging Trends in Engineering and Technology (ICETET 2017), held at Cape Institute of Technology and Multimedia University, Malaysia and Computer Society of India, Kanyakumari Chapter on 1st April 2017.
- Presented a paper entitled “Survey on CAD based Brain Tumor Medical Image Classification and Detection”, International Conference on Recent Advances in Engineering and Technology (ICRAET-2k18), held at Arunachala College of Engineering for Women, Vellichanthai 22nd, 23rd March 2018.
- Presented a paper entitled “Medical Image Retrieval System for Diagnosis of Brain Tumor based on Classification”, International Conference on Recent Advances in Engineering, Technology and Applied Sciences (ICRAETAS-2k19), held at Arunachala College of Engineering for Women, Vellichanthai 22nd, 23rd March 2019.
- Attended Six-Day Short Time Training Program on "Unlocking Research Potential with Cutting-Edge Tools" from 15 June 2026 to 20 June 2026 jointly organized by the Departments of CSE, ECE and EEE, St.Xavier's Catholic College of Engineering, Chunkankadai, Nagercoil.
- Attended has participated in the Five Days Faculty Development Programme on Intelligent Automation Using Al and ML organised by the Department of Electronics and Instrumentation Engineering, held from 18th May 2026 to 22nd May 2026 at Noorul Islam Centre for Higher Education (Deemed-to-be University under section 3 of the UGC Act, 1956), Kumaracoil.
- participated in the Five-day Faculty Development Programme (Online Mode) on Deep Learning Insights: Image, Signal and Language Dimensions organised by the Deportment of Computer Science and Engineering from 01-12-2025 to 05-12-2025.