Prof. Mr. VM. SARAVANAPERUMAL

Asst.professor of Computer Science & engineering ·M e n t o r · Coordinator

18.6 Years of Teaching Experience | 5 yrs of Industry |

PROFESSIONAL SUMMARY

Prof. Mr. VM. SARAVANAPERUMAL is a distinguished Academician, Coordinator, and Administrator with over 18.6 years of experience in higher education. He possesses extensive expertise in teaching, academic leadership, research, curriculum development, and institutional administration across reputed activities. Renowned for his excellent public relations, communication, and mentoring skills, he has made significant contributions to the advancement of computer science & engineering education and research.

He has authored and presented numerous research papers at prestigious national and international conferences and has published extensively in peer-reviewed journals, including Scopus-indexed publications. He has served as Session Chair, keynote speaker, panel member, and invited resource person for several academic and professional events.

His dedication to academic excellence, Mini-Project Guidance, Admission, and student development has earned him recognition as a respected educator and thought leader in the field of Computer Science & Engineering.

ACADEMIC CONTRIBUTIONS

- **UG students Coordinator & Guide for Mini and Major Projects and Seminars.**
- **Member in Industry Interaction committee, Hostel Grievance Committee, Admission Cell.**
- **Coordinator of Dept Association**.
- **Former ICT Academy Coordinator**.
- **Department Alumni Coordinator**.
- **Former Department ERP Coordinator**.

PROFESSIONAL AFFILIATIONS

- **Member —** IAENG – International Association of Engineers
- **Member —** UCAS – Universities and Colleges Admissions Service
- **Member —** CSI – Computer Society of India
- **Member —** ISTE – Indian Society for Technical Education
- **Member —**ICSTA-International Computer Science Teachers Association

RESULTS AND FUNDS ACHIEVEMENTS

- KSCST Fund Received for “INTELLIGENT SOLAR FORECAST: MODERN MACHINE LEARNING AND TINYML ROLE FOR IMPROVED SOLAR ENERGY YIELD PREDICTIONS”.
- Achieved 100 % result in “Software Testing”, ”Cloud Computing”, “Embedded Computing Systems”, “ Computer Network”, ”IOT” & Many More……

FACULTY DEVELOPMENT PROGRAMS

- Exploring Large Language Models for Transformative Applications in Higher Education
- Agentic AI & MCP Servers
- Applied AI & ML: From Concepts to Real World Applications in Teaching

PUBLICATIONS & PATENTS

- **Scopus Publications:** 3.
- **National Publication: 7**
- **International Publication:9**
- **Textbooks Authored:** 1
- **Books Chapter:** 1.
- **Patents Published:** 5.

1. Development of Optimized Compression and Adaptive Spectrum Management Framework for Bandwidth-Efficient, High-Quality Image and Video Transmission in 5G D2D Networks
2. Design of a high-speed, low-latency transmission framework for real-time multimedia (image/video) over 5G D2D networks
3. Architecting an Energy-Efficient and Hyper-Chaotic Encryption-Enabled D2D Communication Framework for Secure and Low-Power Multimedia Transmission in 5G Networks.
4. Design And Implementation of a Hyper-Chaotic Confusion/diffusion Framework for Highly Secure Image and Video Transmission Integrated with Massive Mimo and Small cell-Enabled 5g Networks For Enhanced Coverage, Reliability, And Quality-Of-Service.
5. Developing a Transparent Diagnosis Model for Diabetic Retinopathy Using Explainable AI
6. Sign Language Detection in Video and Real-Time Video Calls
7. Solar Energy Forecasting Using LSTM and IoT-Based ESP32 Monitoring System
8. Automatic and Efficient Sound-Based Early Fault Detection for Vehicles based on GCN-A and LSTM Model
9. The Role of Work Motivation and Work Environment in Improving Job Satisfaction Based on DCNN and SVM Approach
10. Health Care Management System With Secure Deduplication Using Cloud Assistance