Faculty Profile



Mrs.R. Janaki Ramal, B.E., M.E., Ph.D(pursuing)
Assistant Professor/CSE

HIGHLIGHTS:

- Number of Journal Publications:20
- H-Index:2
- Project Funding Received:1
- Patents Published:2
- Patents Granted: On Process

PROFESSIONAL LINKS:

- Scopus ID: Scopus ID: 57983251800
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57983251800
- Google Scholar ID: user=lD_D4vcAAAAJ
- Anna University Faculty ID: 2656291984
- AICTE Faculty ID: 1-34734226361
- Anna University Supervisor ID: NIL
- LinkedIn:NIL

PROFESSIONAL BACKGROUND:

- Teaching Experience till date:7 years
- Industrial Experience: NIL

INTERNATIONAL EXPOSURE:

NIL

AREA OF SPECIALIZATION:

- Theory Of Computation
- Big Data Computing
- IOT 4.0
- Cloud Computing
- Security Practices
- IPR

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
-	-	-	-	-

Ph.Ds GUIDING:

Ph.D. (Pursuing)

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Received funding from **IIT Madras** for the NPTEL Text Translator project.

PATENTS PUBLISHED/GRANTED:

- IoT and Machine Learning-Integrated Healthcare Solution for Predictive Medicine (Published)
- Blockchain based business analytics system for real time affective engagement metrics in E-commerce

COURSES CERTIFIED:

- Wipro Certified Course Completed in Java Full stack

ACHIEVEMENTS AND AWARDS:

- NPTEL Star Award in JUNE 2024

SPECIAL SESSIONS DELIVERED:

NIL

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Optimized Deep Learning Model Using Capsule Networks and GRUs for Predictive Analytics in Smart Cities
- Emphasis Interaction Based Industry 5.0 Smart city Digital Twin's Technology
- Spatio-Temporal Forecasting of Urban Environmental Dynamics using Squaquila-Optimized MultiStream Deep Net Model in Smart Cities
- A Hybrid Optimization and Machine Learning Framework for Urban Traffic Management Using Cyber-Physical Digital Twin Architecture

- Cyber-Physical Digital Twin for Smart City Transportation Systems: A Real-Time Simulation and Optimization Framework
- Hybrid Swin Transformer–BiGRU Framework for Spatio-Temporal Prediction of Urban Air, Water, and Waste Dynamics in Smart Cities
- TunaFly-Optimized Hybrid Spatio-Temporal Network for Multi-Domain Environmental Forecasting in Smart Cities
- Edge-Cloud Synergized Digital Twin Framework for Real-Time Decision Intelligence in Industry 5.0-Driven Smart Cities
- Flarephant-Optimized Multi-Scale GRCNet for Smart Cities Environment Prediction
- Blockchain-Enabled Secure and Interoperable Digital Twin Framework for Sustainable Industry 5.0 Smart Cities

- Exploring the new Frotier in Teaching tools AI and data Analytics
- Gen AI prompt engineering using Microsoft co-pilot
- Building web development solution with cloud computing
- Harressing the power of machine learning
- Cloud computing tools
- Celosis process mining using intelligent platform
- Working with emotional intelligence and life skill management

PROFESSIONAL MEMBERSHIPS:

NIL

OTHER DETAILS (If any):

- Microsoft cmt Reviewer
- TPC member
- NCRRAC'24 Reviewer