SHALINI M, M.E.,

Assistant Professor,
Department of Electronics and Communication Engineering
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Career Objective

To secure a teaching position in a progressive institution that values innovation, research, and quality education, where I can apply my years of teaching experience and pedagogical skills to contribute to academic excellence and student development.

Educational Background

Qualification	Name of the Institution	University/ Board	Year of passing	Marks obtained
Ph. D	SSN College of Engineering, Chennai.	Anna University, Chennai.	pursuing	Confirmation Completed
M.E (Applied Electronics)	SSN College of Engineering, Chennai.	Anna University, Chennai.	2014	7.91 (CGPA)
B.E (ECE)	N. P. R College of Engineering and Technology, Natham.	Anna University, Chennai.	2012	8.64 (CGPA)

Key skills

- ✓ Knowledge of emerging technologies
- ✓ Proficiency in simulation tools and software
- ✓ Industry-oriented curriculum delivery
- ✓ Application-based and project-based teaching methods

Ph.d - pursuing

- Pursuing Ph.d at Sri Sivasubramaniya Nadar College of Engineering in the department of EEE, under the research area of "**IoT-Assisted WSN for Intelligent Automation and Energy Efficiency**."

Work Experience

- Assistant Professor at Prince Shri Venkateshwara Padmavathy Engineering College from 04-11-2014

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Area of Specialization

- Electric Circuits and Electron Devices.
- Digital Electronics.
- VLSI Design.
- Digital Image Processing

Co- curricular Activities

- FDP on "Emerging Trends and Technologies in Renewable Energy for Sustainable Development", AICTE Training And Learning (ATAL) Academy at Prince Shri Venkateshwara Padmavathy Engineering College on 10.2 2025 -15.2. 2025
- FDP on "ChatGPT & AI Tools to Save your Two Hours of Time Daily", SRM Institute of Science and Technology on 16.6.2023 to 24.6.2023
- FDP on "Patent drafting and filling Procedures", IIC,CMRIT, Bengalore on 17.4.2023-21.4.2023

Publication Details

- "Future Internet Architecture for IoT Frameworks Implementing the Synapse Algorithm for Intelligent Energy Management in Smart Home Automation", 2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICSES63760.2024.10910864
- "Robust Face Recognition System for Identifying Disguised Individuals" 2024 IEEE 4th International Conference on ICT in Business Industry and Government, Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICTBIG64922.2024.10911348
- "Optimizing IoT Cluster Formation and Path Selection Using Fuzzy Rules and Metaheuristic Techniques", 2024 IEEE 4th International Conference on ICT in Business Industry and Government, Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICTBIG64922.2024.10911882
- "Artificial Intelligence and its Algorithmic Foundations Reshaping the Future", 2024 IEEE 4th International Conference on ICT in Business Industry and Government, Institute of Electrical and Electronics Engineers (IEEE),DOI:10.1109/ICTBIG64922.2024.10911521
- "A Novel Framework for the Development of Quality-Aware Autonomic IoT Applications", 2024 Global Conference on Communications and Information Technologies, GCCIT 2024, Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/GCCIT63234.2024.10862752

- "Advances in solid oxide fuel cells and electrolysers for green hydrogen production", 1st International Conference on Power and Energy Systems (ICPES 2023), EDP Sciences, https://doi.org/10.1051/e3sconf/202454011011
- "Ensuring Confidentiality: A Secure Deduplication Model to Prevent Healthcare Records over Cloud Computing Environment with Advanced Crypto Logics", 2024 4th International Conference on Intelligent Technologies (CONIT),in Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/CONIT61985.2024.10626955
- "AI-Driven Energy Management Systems for Microgrids: Optimizing Renewable Energy Integration and Load Balancing", International Conference on Renewable Energy Resources and Applications (ICRERA-2024), EDP Sciences DOI: https://doi.org/10.1051/e3sconf/202459101005
- "Applying Machine Learning to Strengthening Cyber Security", 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT 2024), Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICCCNT61001.2024.10723995
- "Page Layout Analysis of Complex Document Images", 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT 2024). Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICCCNT61001.2024.10724401
- "Applying Artificial Bee Colony Algorithm to Improve UWSNs Communication" , 2024 IEEE International Conference on Communication, Computing and Signal Processing (IICCCS 2024), Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/IICCCS61609.2024.10763893
- "Dynamic Spectrum Access in Cognitive Radio Networks: A Game-Theoretic Approach", 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT 2024) in Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICCCNT61001.2024.10725792
- "A Detailed Review on Challenges in the Computational Frameworks in Building 6G for Healthcare System", 2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) in Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICACITE60783.2024.10617123
- "Unleashing Innovation: Experimental Evaluation of Blockchain Assisted Electronic Voting System Using Secured Authentication Scheme, 2024 International Conference on Intelligent Systems for Cybersecurity (ISCS), Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ISCS61804.2024.10581204
- "WPTEV: Design and Development of Smart Wireless Electric Vehicle Charging System Using Wireless Power Transfer Technology and IoT, 2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA), Institute of Electrical and Electronics Engineers (IEEE), DOI: 10.1109/ICECA58529.2023.10394936
- "Intelligent Medicine Box, 2023 International Conference on Networking, Electrical Engineering, Computer Science, and Technology at EDP Sciences. https://doi.org/10.1051/e3sconf/202339901011

Other details

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