

N MADHU SUDHAN

Lead Application Engineer | Embedded System Design

N Madhu Sudhan is a postgraduate Engineer in VLSI Design & Embedded Systems and has more than 6 years of academic and research experience. His interests include Embedded Systems, Microcontrollers, Sensors, Actuators, IoT, & RTOS. He work on C, C++, Embedded C, Python programming, MATLAB, LabVIEW and Orcad and contributed to design & developed of various development projects.

Has provided hands-on training and mentoring sessions exceeding 2000 hours on Embedded System. Has handled sessions on skill development on Internet of Things (IoT), Automotive Control Area Network (CAN), Microcontrollers, MATLAB & Simulink to students, graduates and working professionals.

Served as a Junior Research Fellow (JRF), contributing to projects in the Embedded System for Aerospace domain, developed & tested various embedded applications and integration of various systems.

Handled theory and practical-based engineering subjects, laboratory sessions to engineering and helping them gain a strong conceptual understanding along with hands-on skills. Guided internships and projects on Embedded Systems.

Experience

- Ramaiah Skill Academy, Ramaiah University of Applied - Lead Application Engineer
- Cambridge Institute of Technology, Bangalore - Assistant Professor
- M.S Engineering College, Bangalore - Assistant Professor
- Aeronautical Development Establishment, Bangalore - Junior Research Fellow

Qualifications

- M.Tech in VLSI Design and Embedded Systems, Sri Jayachamarajendra College of Engineering, Visvesvaraya Technological University
- B.E in Electrical and Electronics Engineering, Vidya Vikas Institute of Engineering and Technology, Visvesvaraya Technological University

Research Interest

- Embedded Systems and Internet of Things
- AI/ML algorithms and applications in Embedded Systems

Publication

- "Automated prepaid Auto System", GRENZE International Journal of Computer Theory and Engineering 2017.
- "Air Quality Analysis System for Indoor Environment and Automation using IoT", i-manager's Journal on Mobile Applications and Technologies 2017.

Workshop Attended

- A Five-Day FDP on “Real-Time Programming for QNX® OS” organized by Pi Square Technologies on 28th April to 3rd May 2025, PES University, Bengaluru
- A Two-Day FDP on “Research Methodology & Research Article and Proposal Writing” organized by Cambrian Consultancy Center and Industrial Research on 15th -16th April 2024, Cambridge Institute of Technology, Bengaluru
- A Two-Day Workshop on “Research opportunities, challenges and Industry Concepts in RISC-V Processor” organized by Department of Electronics & Communication Engineering on 31 – 01 Jan 2024, Cambridge Institute of Technology, Bengaluru