

**Job Title: Team Lead - Electrical & Electronics Engineer (Embedded Systems)**

Company: Wraith Int Tech Solutions Pvt. Ltd.

Location: Hyderabad, India

Experience: 5 - 8 years

Company Overview:

Wraith Int Tech Solutions Pvt. Ltd. is a pioneering AI-based company specialising in cutting-edge computer vision and robotics solutions. Our expertise lies in developing advanced solutions that span a wide range of applications, including human perception, robotics, and smart sights.

Position Overview:

We are seeking an experienced **Team Lead - Electrical & Electronics Engineer** specialising in Embedded Systems. The role involves leading a team in developing electronic hardware and embedded software, particularly in the Defence and IoT sectors. The ideal candidate should have strong expertise in embedded systems, PCB design, hardware development, and team/project management.

Key Responsibilities:

- Lead and mentor a team of engineers in hardware/firmware development.
- Oversee PCB design and development, ensuring high-speed circuit performance.
- Manage and execute projects in Defence, IoT, and Consumer Electronics domains.
- Conduct and oversee technical assessments including DFM, DFT, DFV, FMEA, and RCA.
- Define project milestones, allocate tasks, and ensure timely delivery.
- Collaborate with internal and external stakeholders to drive project success.
- Maintain technical documentation and ensure knowledge transfer within the team.

System Architecture & Co-Design:

- Develop optimized hardware-software co-design for embedded systems.
- Define system architecture covering processor selection, power management, memory hierarchy, and I/O design.
- Implement wired/wireless communication protocols (I2C, SPI, UART, RS232, RS485, USB, Bluetooth, Wi-Fi, LoRa, Zigbee, 4G/5G).
- Design real-time embedded systems ensuring high-speed, deterministic performance.
- Ensure compliance with CE, FCC, RoHS, RTTE, and REACH standards.

**Core Technical Requirements:**

- Expertise in 8/16/32-bit microcontrollers and Embedded C programming.
- Experience in PCB Design & Development using OrCAD 16.6, Eagle, Fusion 360, KiCAD, Allegro.
- Proficiency in RFID, IoT, Zigbee, GPS/GSM and power electronics design.
- Strong understanding of EMI/EMC considerations and fabrication/assembly processes (IPC standards).
- Hands-on knowledge of regulatory compliance: CE, FCC, RoHS, RTTE, REACH.

Required Qualifications:

- Bachelor's degree in Electronics Engineering or a related field.
- 5-8 years of relevant industry experience.
- Prior experience in a leadership or team lead role.
- Ability to join on a short notice period is preferred.

Soft Skills:

- Strong team leadership and mentoring capabilities.
- Project ownership and ability to manage multiple projects effectively.
- Strategic decision-making and problem-solving skills.
- Excellent communication and collaboration skills.
- Passion for embedded systems and electronics development.

How to Apply:

Interested candidates can apply by sending their resumes **hr@wraithint.com** with the subject line: *Team Lead - Electrical & Electronics Engineer - Application.*