

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

Company: Wraith Int Tech Solutions Pvt. Ltd.

Location: Hyderabad, India

Experience: 3 - 5 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 Electrical & Electronics Engineer specialising in Embedded Systems. The role focuses on electronic hardware and embedded software development, particularly in Defence and IoT sectors. The ideal candidate should have strong expertise in embedded systems, PCB design, and hardware development.

Key Responsibilities:

- Develop and test hardware/firmware for embedded systems.
- Design and develop PCBs, including schematic design and layout for high-speed circuits.
- Execute projects in Defence, IoT, and Consumer Electronics domains.
- Conduct technical assessments including DFM, DFT, DFV, FMEA, and RCA.
- Create and maintain technical documentation and knowledge bases.
- Collaborate with internal and external stakeholders to drive project success.

Core Technical Requirements:

- Experience with 8/16/32-bit microcontrollers.
- Proficiency in Embedded C programming and Arduino IDE.
- Familiarity with communication protocols: I2C, SPI, UART, RS232, RS485, USB.
- Wireless communication expertise: Bluetooth, Wi-Fi, LoRa, 4G/5G.
- Experience with RFID systems, IoT systems, Zigbee, GPS/GSM.
- PCB Design & Development, including schematic design using OrCAD 16.6, Eagle, Fusion 360, KiCAD, and Allegro.
- Knowledge of fabrication and assembly processes, following IPC standards.
- Hardware Design experience, including EMI/EMC considerations.
- Expertise in power electronics and component selection.
- Understanding of regulatory compliance: CE, RoHS, MIL-STD.

**Required Qualifications:**

- Bachelor's degree in Electronics Engineering or a related field.
- 3-5 years of relevant industry experience.
- Ability to join on a short notice period is preferred.

Soft Skills:

- Strong team leadership capabilities.
- Project ownership and ability to drive initiatives.
- Self-motivated and proactive in problem-solving.
- Passion for embedded systems and electronics development.

How to Apply:

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