Job Opening: Embedded Systems R&D Engineer

Location: Connected Devices and Wearables Lab, IIIT-Bangalore (On-site)

Employment Type: Project-Based (Sponsored Project)

Job Overview

The Connected Devices and Wearables Lab at IIIT-Bangalore is looking for a motivated Embedded Systems R&D Engineer to join a sponsored research and development project. The role will involve both hardware and firmware development for industrial applications, with opportunities to work on cutting-edge embedded systems.

Key Responsibilities

1. Research, architect and implement industrial-grade embedded systems

2. Design and implement MCU-based firmware (e.g., ESP32, PSoC)

3. Develop and test hardware prototypes

4. Perform system evaluation, validation, and integration

Expected Skillset

1. Strong hands-on experience in Embedded-C based firmware development

2. Familiarity with MCU platforms (e.g., ESP32, PSoC, or similar)

Preferred Skillset

3. Understanding of embedded communication protocols (e.g., UART, SPI, I²C)

4. Basic knowledge of network protocols (e.g., Modbus, TCP, MQTT)

5. Experience in PCB design and prototyping

Qualifications: Bachelors or Masters degree in Electronics, Computer Engineering, or related fields. 3-5 years of industrial/research experience preferred, but not mandatory.

Remuneration: As per experience, academic qualification, skills, and institute/project norms.