

## **Job Description: ECE Intern – Junior Engineer Trainee**

**Position:** Junior Engineer Trainee (Internship)

**Location:** Bangalore / Hyderabad / Remote

**Department:** Electronics and Communication Engineering

**Duration:** 6 Months (with potential for full-time conversion)

**Stipend:** ₹10,000 – ₹15,000/month

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### **About the Company:**

InnovateTech Solutions Pvt. Ltd. is a growing R&D and IoT-based electronics firm working in embedded systems, PCB design, communication protocols, and automation solutions. Our mission is to nurture young talent while working on real-world industrial-grade projects.

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### **Role & Responsibilities:**

- Assist in the design and development of embedded systems using microcontrollers (e.g., Arduino, STM32, Raspberry Pi).
  - Work on basic circuit design, simulation, and PCB layout using tools like KiCAD/Altium.
  - Support IoT prototype testing, hardware debugging, and documentation.
  - Learn and contribute to firmware development using C/C++ and Python.
  - Collaborate with the hardware and software teams in integrating sensors, actuators, and communication modules (Bluetooth, Wi-Fi, LoRa).
  - Participate in weekly technical reviews and knowledge-sharing sessions.
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### **Eligibility Criteria:**

- Pursuing B.Tech/B.E. in Electronics and Communication Engineering (3rd Year).
- Strong interest in core electronics, microcontrollers, and communication systems.
- Basic hands-on experience with breadboarding, sensors, and embedded programming.
- Knowledge of communication protocols: UART, SPI, I2C.

- Familiar with any simulation tool: Proteus, LTSpice, or Multisim (preferred).
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### **What You'll Gain:**

- Real-world project experience and mentoring from senior engineers.
  - Internship certificate and potential full-time offer (based on performance).
  - Opportunity to build a project portfolio in core electronics.
  - Skill-building in embedded systems, IoT, and product development lifecycle.
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### **How to Apply:**

Send your **resume + statement of interest** to: **[careers@innovatetech.com](mailto:careers@innovatetech.com)**

Subject Line: **Application for ECE Intern – [Your Name]**