



आईआईटीआई दृष्टि सीपीएस फाउंडेशन, भारतीय प्रौद्योगिकी संस्थान इन्दौर  
खंडवा रोड, सिमरोल, इन्दौर – 453 552, मध्य प्रदेश, भारत  
**IITI DRISHTI CPS Foundation, Indian Institute of Technology Indore**  
Khandwa Road, Simrol, Indore - 453 552, Madhya Pradesh, India

CIN: U73100MP2020NPL054322

**IITI DRISHTI CPS FOUNDATION**  
**(A Section 8 - Not for Profit Company)**

Advt. No. – IITI-DRISHTI-CPS/Sec-8/2026/16

Date: 29<sup>th</sup> April 2026

IITI DRISHTI CPS Foundation is a Technology Translation Research Park (TTRP) hosted at IIT Indore and supported by the Department of Science & Technology (DST), Government of India. The Foundation focuses on Digital Healthcare, Cyber-Physical Systems, system simulation and modelling, translational research, and commercialization of deep-tech innovations. The Foundation works closely with researchers, clinicians, hospitals, healthcare institutions, government bodies, and industry partners to translate technologies from early-stage research to large-scale deployment and commercialization. One of the flagship platforms developed in-house is CharakDT, a rapidly evolving Digital Health and Clinical Decision Support ecosystem <https://drishticps.iiti.ac.in/>.

**Job Title:** Engineer (Embedded Systems)

**Job Location:** IIT Indore

**No. of Positions:** 2

**Key Responsibilities**

- Design and develop end-to-end IoT and embedded solutions for connected equipment in smart manufacturing.
- Develop firmware and applications using C, Embedded C, C++, Assembly, PLC programming, and Python.
- Interface and integrate various microcontrollers such as PIC, ARM, Atmel, STM32, RPi, Atmega, etc.
- Implement industrial and IoT communication protocols including SPI, I2C, UART, RS232, CAN, ADC, PWM, GSM, GPS, Wi-Fi, Bluetooth.
- Work with industrial IoT protocols such as MQTT, Modbus RTU/TCP, OPC UA, CoAP, AMQP.
- Collaborate on cloud connectivity (e.g., AWS, Azure) for edge-to-cloud integrations.
- Contribute to PCB design, testing, and validation of embedded hardware.
- Troubleshoot, optimize, and document embedded solutions for real-world deployment.

**Required Skills**

- Strong understanding of embedded systems fundamentals.
- Basic to intermediate knowledge of microcontroller programming (any of STM32, PIC, ARM, RPi, etc.).
- Familiarity with sensors, actuators, and interfacing protocols (SPI, I2C, UART).
- Exposure to IoT connectivity standards and cloud services.



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- Hands-on experience with PCB design tools is desirable.
- Good communication and teamwork skills.

### **Required Qualification & Experience**

- **Education:** B.Tech/M.Tech/Ph.D. or equivalent
- **Experience:** 0–2 years (freshers with relevant academic projects or internships are welcome to apply).

### **Additional Requirements or Preferences:**

- Proposed Timeline for joining: Immediate / Within 30 days

**Compensation:** As per Industry Standards

Interested candidates may [click here](#) to submit the application.

Only shortlisted candidates will be called for a written test/interaction/interview. Mere fulfillment of the eligibility criteria does not entitle an applicant to be shortlisted. All the applications will be thoroughly evaluated for suitability with the company's requirements. The company reserves the right to not fill up /cancel the post advertised without assigning any reason. In the case of selection, the role will be finalized by the selection panel and the decision will be binding. The position is contractual, full-time in nature and subject to periodic performance reviews.