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
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CIN: U73100MP2020NPL054322

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

Advt. No. – IITI-DRISHTI-CPS/Sec-8/2026/35 Date: 17th November 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 (CPS), system simulation & modelling, and the commercialisation of deep-tech innovations. One of our flagship platforms is CharakDT, a rapidly evolving Digital Health and Clinical Decision Support ecosystem. More details about the company are available at :https://drishticps.org/.

Job Title: Electronics Development Engineer
Job Location: IIT Indore
No. of Positions: 1

Job Summary:

The Electronics Development Engineer will be responsible for supporting the design, development, integration and testing of electronic systems and components for technology development projects, particularly in the domains of Digital Healthcare and Cyber-Physical Systems. The role involves contributing to the development of electronic hardware, embedded systems, sensor-based solutions, data acquisition systems and integrated electronic components required for healthcare and research applications.

The selected candidate will work closely with the product design team, software developers, researchers and other technical professionals to develop electronic components and systems from initial concepts to functional prototypes and final products. The role will also involve supporting electronics design, hardware integration, testing, troubleshooting, documentation and manufacturing-related activities. In addition, the candidate will contribute to teaching postgraduate students and conducting tutorials and workshops related to their assignments.

Roles and Responsibilities:

- Support the design, development and implementation of electronic components and systems for Digital Healthcare and Cyber-Physical Systems projects.
- Work with the product design team in developing electronic hardware and integrating electronics components into healthcare products, devices and technology solutions.

- Contribute to the development of electronic circuits, hardware systems, sensor-based solutions and embedded electronics as per project requirements.
- Support the development and integration of data acquisition systems, sensors, microcontrollers and other electronic components required for research and product development.
- Work on hardware development and integration for medical devices, healthcare monitoring systems and other digital healthcare applications.
- Assist in developing and testing electronic prototypes, evaluating their functionality and identifying areas requiring improvement.
- Undertake circuit design, component selection, hardware assembly, testing, troubleshooting and performance evaluation.
- Collaborate with software developers, product designers, AI/ML engineers and researchers for hardware-software integration and development of complete technology solutions.
- Support the integration of electronic systems with sensors, communication interfaces and computing platforms for real-time data acquisition and processing.
- Ensure that electronic components and systems meet the technical requirements, functionality and performance specifications of the respective projects.
- Work with manufacturing and fabrication teams to support product development, component selection, assembly and production-related activities.
- Prepare technical specifications, circuit diagrams, hardware documentation, testing reports and detailed production documentation.
- Maintain proper documentation of electronic designs, components, testing procedures, modifications and development activities.
- Contribute to research, prototyping, technology development and technology translation activities of the Foundation.
- Teach postgraduate students and conduct tutorials, practical sessions and workshops related to electronics development and their assignments.

Key Required Skills & Competencies:

- Strong understanding of electronics engineering, electronic circuit design and hardware development.
- Experience in electronics product development and electronic component integration.
- Familiarity with current electronics manufacturing practices.
- Knowledge of sensors, microcontrollers, embedded systems and electronic hardware development.
- Understanding of data acquisition systems, signal processing and hardware interfacing.
- Ability to undertake circuit design, component selection, testing and troubleshooting.
- Knowledge of hardware-software integration and electronic system development.

- Ability to work with multidisciplinary teams involving product designers, software developers and researchers.
- Strong analytical, technical problem-solving and documentation skills.
- Ability to support product development activities from concept and prototyping to final development.

Qualifications & Experience:

- M.Tech. degree in Electronics.
- Minimum 5 years of professional experience in electronics product development.
- Relevant experience in supporting product design teams and developing electronic components for technology-based products.

Additional Requirements or Preferences:

- Experience in sensor-based systems, embedded electronics, medical devices or healthcare monitoring technologies will be preferred.
- Exposure to electronics development for Digital Healthcare, Cyber-Physical Systems or research-oriented technology projects will be an advantage.
- Familiarity with hardware-software integration and real-time data acquisition systems will be desirable.
- Experience in prototype development, testing, troubleshooting and electronics manufacturing processes will be preferred.
- Ability to work collaboratively with product design and multidisciplinary technical teams.
- Willingness to contribute to postgraduate teaching, student mentoring, tutorials and technical workshops..

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.