Electronics Development Engineer

Support design, development, integration and testing of electronic systems for Digital Healthcare and Cyber-Physical Systems: sensors, embedded systems and data acquisition, from concept to working prototype. Includes teaching postgraduate students.

Key details

Advertisement No.
IITI-DRISHTI-CPS/Sec-8/2026/35

Location
IIT Indore

Positions
1

Last date to apply
2 December 2026

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About the Foundation

IITI DRISHTI CPS Foundation is a Technology Translation Research Park hosted at IIT Indore and supported by the Department of Science & Technology, Government of India. It works on Digital Healthcare, Cyber-Physical Systems, system simulation and modelling, and commercialisation of deep-tech innovations. Its flagship platform is CharakDT, a Digital Health and Clinical Decision Support ecosystem. drishticps.org

Roles and responsibilities

Hardware development

- Design circuits, select components, assemble, test and troubleshoot
- Develop sensor-based, embedded and data acquisition systems
- Work on electronics for medical devices and healthcare monitoring systems

Integration and collaboration

- Work with product designers, software developers, AI/ML engineers and researchers on hardware-software integration
- Integrate sensors, communication interfaces and computing platforms for real-time data
- Support manufacturing and fabrication teams

Documentation and teaching

- Prepare specifications, circuit diagrams, test reports and production documents
- Teach postgraduate students and run tutorials and workshops

Key skills and competencies

Electronic circuit design and hardware development | Sensors, microcontrollers and embedded systems | Data acquisition, signal processing and hardware interfacing | Current electronics manufacturing practices | Testing, troubleshooting and documentation

Qualifications and experience

Essential

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

Preferred

- Sensor-based systems, embedded electronics, medical devices or healthcare monitoring
- Digital Healthcare or Cyber-Physical Systems projects
- Real-time data acquisition and prototype development
- Willingness to teach, mentor and run workshops

Compensation and selection

Compensation: as per industry standards.

Only shortlisted candidates will be called for a written test, interaction or interview. Meeting the eligibility criteria does not guarantee shortlisting. The company may cancel or not fill the post without giving a

reason. The position is contractual, full-time and subject to periodic performance reviews.