Product Design Engineer

Lead design and engineering of healthcare technologies, medical devices and integrated hardware-software products, taking them from proof of concept to production. Includes leading the product design team and teaching postgraduate students.

Key details

Advertisement No.
IITI-DRISHTI-CPS/Sec-8/2026/33

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

Product development

- Turn research concepts into prototypes and production-ready designs
- Drive the lifecycle: feasibility, proof of concept, design, prototyping, testing, production
- Produce specifications, technical drawings and 3D models

Engineering and manufacturing

- Choose materials, components and manufacturing processes
- Evaluate usability, performance and manufacturability
- Coordinate with manufacturing partners for fabrication and testing

Leadership and teaching

- Lead the product design team and allocate tasks
- Work with AI/ML, electronics, software and clinical teams
- Prepare know-how transfer documents; teach postgraduate students

Key skills and competencies

Product design and engineering design methodologies

CAD, 3D design and engineering drawings

Manufacturing processes, fabrication and materials

Testing, verification and validation

Team leadership and technical documentation

Qualifications and experience

Essential

- Postgraduate degree specialising in Product Design and Development
- Minimum 5 years of professional experience in product design and development
- Experience taking products from concept or proof of concept to final production

Preferred

- Digital healthcare, medical devices or healthcare equipment
- Interdisciplinary hardware and software projects
- Research institutions, technology centres or innovation-driven organisations
- Willingness to teach and mentor

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.