



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-8/2026/31

Date: 30th October 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 Summary:

IITI DRISHTI CPS Foundation, IIT Indore, invites applications for the position of Project Associate (Biomedical Research). The selected candidate will support interdisciplinary research and development of healthcare technologies, including medical devices, computational models of human physiology (digital twins) and clinical decision-support tools. Current work covers areas such as respiratory and airway care, cardiovascular health, dental and ENT applications, and musculoskeletal recovery.

The selected candidate will work closely with clinicians, engineers, biomedical researchers, data scientists, software developers and technology teams, and will contribute to the development, validation and documentation of healthcare technologies. The position provides an opportunity to work at the interface of clinical research, engineering, biomedical data, AI/ML and digital health.

Job Title: Project Associate (Biomedical Research)

Job Location: IIT Indore

No. of Positions: 1

Duration: 6 Months, subject to change as per project requirements.



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Key Responsibilities:

- Conduct structured literature reviews and state-of-the-art analyses to identify clinical, technological and research gaps, and to support evidence-based design of devices and clinical decision-support tools.
- Conduct market and technology landscape analyses, including assessment of existing medical devices, digital health platforms, competing technologies and prior art.
- Coordinate with clinicians and hospital partners for study planning, data collection, clinical interpretation and validation.
- Prepare documents for clinical studies, such as study protocols, ethics committee submissions, participant information sheets, consent forms and case record forms.
- Assist in collection, curation, preprocessing and analysis of biomedical and clinical datasets, including medical images (such as CT or CBCT) and device test data, where applicable.
- Support prototype testing (test protocols, bench and phantom studies, recording of results) and translation of research outputs into practical healthcare applications.
- Assist the technical team in ongoing research and development, including computational modelling and simulation studies (such as CFD or FEA) where applicable.
- Maintain project-related technical documentation, datasets, analysis records, laboratory notebooks and standard operating procedures.
- Assist in preparation of technical reports, presentations, manuscripts, grant proposals, patent-related documents and project documentation.
- Perform other technical and research activities assigned by the Principal Investigator in relation to the ongoing projects.

Qualifications & Experience:

Education: MBBS with completed internship and registration with the National Medical Commission or a State Medical Council, OR M.E./M.Tech in Biomedical Engineering, OR B.E./B.Tech in Biomedical Engineering with relevant research or industry experience, OR M.Sc./M.Tech in Biotechnology or a related life science discipline with relevant research or industry experience.

Experience: Minimum 1+ years of relevant work experience.



Desirable Skills and Experience:

Any of the following will be an advantage:

- Research or clinical experience in respiratory medicine, cardiology, dentistry, ENT, physiology or a related biomedical field.
- Experience with computational modelling in biomedical applications, such as CFD of blood or air flow, or finite element analysis (FEA) of tissues, implants or devices.
- Experience with medical image processing or 3D reconstruction from CT, CBCT or MRI (for example, 3D Slicer or Mimics).
- Familiarity with digital healthcare, medical devices, clinical decision-support systems or health-tech applications.
- Ability to conduct scientific literature reviews and critically evaluate clinical evidence and emerging technologies.
- Experience in handling, organising or annotating multimodal clinical or biomedical datasets, including physiological signals.
- Basic programming or data analysis skills in Python, MATLAB or R.
- Publications, patents or conference presentations in a relevant area.
- Candidates should also have good written and spoken English and be able to write clear technical reports.

The ideal candidate should be scientifically motivated, technically inclined and comfortable working across disciplines. Candidates should demonstrate the ability to work independently on defined tasks while also collaborating effectively with clinicians, researchers and technology teams. Clear writing, attention to detail and careful record keeping are important in this role.

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.