



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

Advt. No. – IITI-DRISHTI-CPS/Sec-8/2025/09

Date: 9th May 2025

IITI DRISHTI CPS Foundation (DRISHTI CPS in short), a Technology Innovation Hub (TIH) established at IIT Indore under the aegis of National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) is working along the technology vertical of System Simulation, Modelling and Visualization. DRISHTI CPS is committed to fostering technology development and commercialization, skill development, startups support, and employment creation in the field of Cyber-Physical Systems. More details about the company are available at: <http://drishticps.iiti.ac.in/>

Job Title: Engineer/Technical Officer (Industry 4.0/Manufacturing)

Job Location: IIT Indore

Key Responsibilities

Hardware & System Design:

- Assist in the development of PLC-based automation systems and electro-pneumatic setups.
- Interface sensors, actuators, controllers, and SMC machinery.
- Support circuit prototyping and embedded controller setup.

Software & Control Systems:

- Write scripts and logic for industrial control (ladder logic, Python, C/C++).
- Support configuration of SCADA/HMI for monitoring and visualization.
- Contribute to software modules for data acquisition and process optimization.

Simulation & Modelling:

- Use tools like MATLAB/Simulink or digital twin platforms to simulate manufacturing workflows.
- Model control systems and validate against physical setups.
- Perform system testing and help calibrate hardware models.

Testing & Integration:

- Conduct system-level tests for hardware and software integration.
- Troubleshoot faults across mechanical, electrical, and software components.
- Provide operational support and documentation for lab machines.

Lab Coordination & Documentation:

- Maintain technical records, wiring diagrams, SOPs, and compliance documents.
- Support setup and demonstrations of automation experiments in the CoE.
- Assist researchers and engineers with lab operations and project implementations.



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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

Key Skills required

- Exposure to PLCs, SCADA/HMI, and industrial control systems.
- Programming knowledge in C/C++, Python, or ladder logic.
- Familiarity with microcontrollers (Arduino, STM32, Raspberry Pi).
- Understanding of both hardware (sensors, actuators, circuits) and software (logic, data flow).
- Proficiency in tools like MATLAB/Simulink, Proteus, KiCAD, or LabVIEW is a plus.
- Excellent teamwork, organization, and documentation skills.

Qualifications & Experience

- **Education:** B.Tech/M.Tech/MSc or equivalent
- **Experience:** 0–2 years (freshers with relevant internship or project experience are encouraged to apply).
- **Preference:** Candidates with exposure to industrial automation or smart manufacturing setups.

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.