

Internship Opportunity

Date: 27/08/2025

Location: IIT Kanpur Incubation Center, IITK Campus, Kanpur

Department: Civil / Structural Engineering

Duration: 1 Year (Full-time / Part-time depending on academic schedule)

About C-DISC Technologies Pvt Ltd

C-DISC Technologies Pvt Ltd, based at Calicut, Kerala, is a sustainable construction technology company incubated at **IIT Kanpur** and **NIT Calicut**. We specialize in integrated pre-engineered solutions such as:

- LGSF (Light Gauge Steel Frame) Structures
- Pre-Engineered Steel Built-up Sections
- EPS (Expanded Polystyrene) 3D Panel Systems
- Pre-cast Pre stressed Grillage Foundations
- PEN (Pre-Engineered Nail) Foundations (our patented innovation)
- Modular Net Zero Energy Homes

Our innovations have been recognized nationally and internationally, and we are proud winners of the SSMB 2024 National Award for excellence in steel and modular construction.

Internship Role – Structural Engineering Intern

Validation & Standardization of PEN Foundation

Key Responsibilities

- Conduct structural validation studies in collaboration with IITK Civil Engineering Department.
- Support certification and standardization of the PEN Foundation from BMTPC and BIS.
- Assist in coordination with SERC Chennai for corrosion resistance, fatigue analysis, and durability assessment.
- Contribute technical inputs for development of an in-house design & analysis software for PEN Foundation.
- Prepare technical reports, validation studies, and presentations for stakeholders.



Desired Qualifications

- Pursuing M.Tech / PhD in Civil or Structural Engineering at IIT Kanpur.
- Strong understanding of structural design, geotechnical engineering, fatigue/durability analysis, and IS/IBC codes.
- Exposure to structural analysis software (STAAD Pro, ANSYS, ABAQUS, or equivalent) is desirable.
- Interest in sustainable construction technologies with willingness to work on real-world innovation.
- Strong analytical, documentation, and communication skills.

Expected Outcomes

- Validation of PEN Foundation from IITK Civil Engineering Department.
- Certification and Standardization from BMTPC & BIS.
- Validation studies from SERC Chennai on corrosion resistance, fatigue, and durability.
- Prototype design software module for PEN Foundation.

Benefits

- Hands-on exposure to cutting-edge sustainable construction technology.
- Opportunity to work with leading researchers, certification bodies, and national R&D labs.
- Certificate of Internship from CDISC Technologies Pvt Ltd (Incubated at IIT Kanpur).
- Possibility to join CDISC Technologies' core team after internship completion, if the candidate's vision, values, and frequency align with the organization.

