SHORT-TERM TRAINING PROGRAMME ON

CURRENT PRACTICES IN DESIGN AND DETAILING OF STEEL STRUCTURES

NIRMA UNIVERSITY
INSTITUTE OF TECHNOLOGY
NAAC ACCREDITED 'A+' GRADE

insdag

ORGANIZED by

DEPARTMENT OF CIVIL ENGINEERING
INSTITUTE OF TECHNOLOGY, NIRMA UNIVERSITY

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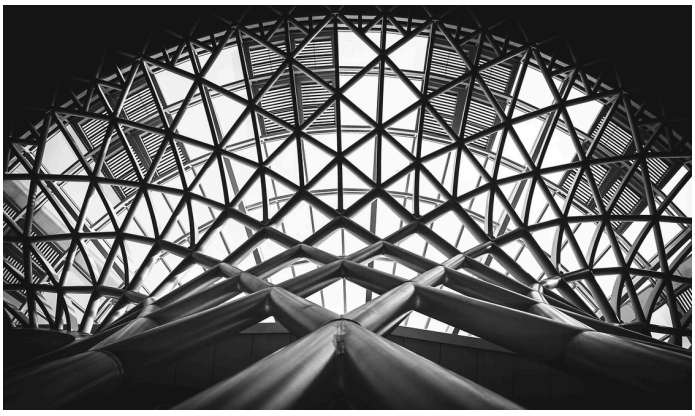
INSTITUTE FOR STEEL DEVELOPMENT AND GROWTH (INSDAG), KOLKATA



16TH JUNE - 20TH JUNE 2025

NIRMA UNIVERSITY
CAMPUS AT AHMEDABAD

Resource Persons: IIT Hyderabad, IIT Roorkee, Nirma University, Professionals and INSDAG

OPPORTUNITY TO UPDATE YOURSELF IN CIVIL AND STRUCTURAL ENGINEERING

About The organisers

Department of Civil Engineering
Institute of Technology, Nirma University

Established in 2003, Nirma University is a premier multidisciplinary university accredited with 'A+' grade by NAAC. Renowned for academic excellence and research, its constituent institute, Institute of Technology houses the Civil Engineering Department, which offers UG, PG and PhD programs. With advanced labs, modern tools, and a focus on innovation, the department fosters professional growth in civil and structural engineering through initiatives like this STTP.

Institute for Steel Development And Growth (INSDAG), Kolkata

INSDAG is a non-profit organization promoting steel use through advanced design, skill development, and awareness. It actively collaborates with IIT Chennai, SERC, Anna University, and industry experts to revise relevant codes.

About The programme

This offline training programme is designed for civil and structural engineers looking to advance their expertise in modern steel design, construction techniques, and sustainable practices. This offline STTP offers a comprehensive learning experience on the latest practices in structural steel design. It blends theoretical foundations with practical applications in areas such as limit state design, buckling, bracing systems, cold-formed structures, and pre-engineered buildings. Led by Faculty experts, this programme combines theoretical insights with hands-on learning using STAAD.Pro, ETABS, and TEKLA to prepare participants for the dynamic challenges of engineering projects.

Topics:

Design Philosophy & Introduction to Limit State, Plastic Analysis, Introduction to column buckling, plate buckling, local Buckling, Design of Members under Compression, Bending, Beam Columns, General Concept of Wind and Dynamic Wind Forces on industrial structures, Cold Formed Steel- Basics of Design, Pre Engineered Building- Concepts & Case studies, Earthquake Resistant Design, Special Bracings, Introduction to Steel Design Code IS 18168:2023, Case Studies: Challenges in Industrial Steel Structure Design and Drawing, Use of STAAD Pro/ ETAB for Analysis and design of steel structures and connections, Use of Software for Detailing of Steel Structures and Preparation of Fabrication Drawings (STAAD Pro, RAM Connection, Tekla)

KEY HIGHLIGHTS

- Advanced Structural Design: Learn methodologies for structural analysis and design including earthquake resistant steel building, bracing, cold-formed, and PEB systems.
- Hands-on Software Training: Practical exposure to STAAD Pro, RAM Connection, ETABS and TEKLA for design and detailing.
- Networking Opportunities: Connect with peers and industry professionals.
- Real-World Applications: Learn through case studies and live examples from ongoing projects.

WHO SHOULD ATTEND?

- Professional Civil and Structural Engineers
- Faculty Members
- Engineering students pursuing careers in construction and infrastructure development.

WHY ENROLL?

- Gain industry-recognised expertise.
- Stay updated with the latest engineering advancements and revised Indian standards
- Learn from top academic and industry resource persons
- Improve career prospects with enhanced skills

WHAT WILL THE PARTICIPANTS GET?

- Certificate for participation in the programme
- Copy of technical presentations and reference material
- Hands-on exposure to design and detailing software tools
- Opportunity to interact with experts from academia and industry.

ACCOMODATION

- Participants have to find their own accommodation.

REGISTRATION FEES

Category	Amount (Rs)(including GST)	Remarks
Faculty members	5900.00	Proof: Copy of college ID card
Students	1770.00	Proof: Copy of college ID card
Professionals	11800.00	---

TAKE YOUR ENGINEERING CAREER TO THE NEXT LEVEL. ENROLL TODAY!

Kindly register at the following google link or scan the QR:
https://forms.gle/zRjb3QHzWZ5YQJF58

BANK DETAILS

NIRMA UNIVERSITY
Account No. 09720180111
Account Name: Institute of Technology Under Nirma University
Bank Name : The Kalupur Com.Co.Op.Bank Ltd.
Branch : Nirma University
IFSC : KCCB0NRM097
Account Type: Current Account

THE LAST DATE FOR REGISTRATION IS 8TH JUNE 2025.

COORDINATORS

Dr. Urmil Dave
Professor and Head,
Department of Civil Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat
Mob : 9427022244
E-mail: urmil.dave@nirmauni.ac.in

Prof. Utsav Koshti
Assistant Professor,
Department of Civil Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat
Mob : 9974766013
E-mail: utsav.koshti@nirmauni.ac.in

Mr M M Ghosh,
Consultant
Institute for Steel Development and Growth (INSDAG)
Ispat Pragati Bhawan, 793 Anandapur,
Kolkata 700107
Mob : 9748482618
E-mail: Manas.ghosh@ insdag.com

ALL REGISTRATION WILL BE ONLINE. OFFLINE REGISTRATION IS RULED OUT.