



INSTITUTE FOR STEEL DEVELOPMENT & GROWTH

Training programme on

DESIGN OF STEEL STRUCTURES WITH LATEST INDIAN CODE

ABOUT INSDAG

Institute for Steel Development & Growth (INSDAG) is a non-profit making, member-based organization established at Kolkata by the Ministry of Steel, Govt. of India and the major steel producers in the country. The Institute primarily works towards the development of advanced design methodologies and technical marketing by expanding applications of steel in different segments, upgrading skills and know-how, creating awareness amongst potential users, providing efficient steel-usage technology / design aids / teaching aids, upgrading skills/ know-how, disseminating steel related information / database, establishing intimate industry-university interface and communicating the benefits of steel vis-à-vis other competitive materials, etc.

ABOUT TRAINING COURSE

To create interest among Civil/Structural Engineers to use steel in their future professional endeavors while exploiting numerous advantages of structural Steel as a construction material. IS 800-2007 is the umbrella code for Structural Steel Design in India and forms the basics of Structural steel design. This code has incorporated the Limit State Method of Design. The programme will cover discussion about the latest provision of the code and will also deal with application of same in popular software, STAAD.Pro / ETABS etc.

COURSE CONTENT

- **Steel Properties, Applications, Products, Advantages & Issues in Steel Structure**
- **Section Properties and Tension Members Design as per IS 800-2007 with worked-out example**
- **Design of Compression Members as per IS 800-2007 with worked-out example**
- **Design of members under bending and shear as per IS 800-2007 with worked-out example**
- **Design of members with Combined forces as per IS 800-2007 with worked-out example (Axial Compression with Uniaxial/Biaxial Bending)**
- **Design of Connection as per IS 800-2007**
- **Analysis & Design of General Building/ Industrial Building using STAAD Pro**

TRAINING DATES

Training programme date: December 07 & 21, 2024

Last date of registration: December 04, 2023

PARTICIPANTS

- UG / PG / Ph.D Scholars (Civil/Structural Engineering)
- Practicing Civil/ Structural Engineers/ Faculty

REGISTRATION FEES

- UG & PG Students / Research Scholars - Rs. 1770/- (including GST)
- Working Professional/Faculty/Engineers (including GST) - Rs. 2360/- (including GST)

DISCOUNTS

- 30% for Associate/Individual /Student members and additional 5% for Bulk nominations (≥ 5 nominations)

COURSE DETAILS

- The entire course is designed in the ONLINE MODE (ZOOM PLATFORM)
- Course will be 2 days with approximate 8+ hours
- The interaction can be done with faculties and the participants through WhatsApp.
- Participants will be encouraged to share their real project problems during the course. We will discuss possible solution for the same.
- One month is considered for raising their doubts, queries related to the subject.
- Certificate will be issued on successful completion of the online course

REGISTRATION PROCEDURES

Visit <https://www.steel-insdag.org/event> for online registration and payment.

or participants kindly register by sending the filled-up registration form and payment details to seminars@insdag.com

PAYMENT DETAILS (Online) -

Visit <https://www.steel-insdag.org/event> for online payment after registration.

or NEFT/ Payment though QR Code - Details are in the Registration Form.

COORDINATOR

MR SAJAL KUMAR GHORAI, SENIOR MANAGER (CIVIL & STRUCTURAL)

INSTITUTE FOR STEEL DEVELOPMENT AND GROWTH

Ispat Pragati Bhawan, 793, Anandapur, Kolkata - 700107

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SCHEDULE

DESIGN OF STEEL STRUCTURES WITH LATEST INDIAN CODE

Day 1 (07.12.2024)	
10.30 - 11.30	: Steel Properties, Applications, Products, Advantages & Issues in Steel Structure
12.00 - 13.00	: Section Properties and Tension Members design as per IS 800-2007 with worked-out example
14.30 - 15.30	: Design of Compression Members as per IS 800-2007 with worked-out example
16.00 - 17.00	: Design of members under bending and shear as per IS 800-2007 with worked-out example
Day 2 (21.12.2024)	
10.30 - 11.30	: Design of members with Combined forces as per IS 800-2007 with worked-out example (Axial Compression with Uniaxial / Biaxial Bending)
12.00 - 13.00	: Design of Connection as per IS 800-2007
15.00 - 16.30	: Analysis & Design of General Building/ Industrial Building using STAAD Pro



REGISTRATION FORM

DESIGN OF STEEL STRUCTURES WITH LATEST INDIAN CODE

(DECEMBER 07 & 21, 2024)

Name (in CAPS)		
Designation		
Organization		
INS DAG Membership No, if any		
GST No. if any		
Contact Address:		
	State:	Pin code:
Mobile:	Email:	

Details of NEFT/ Bank Transfer:

Amount: Rs.

Date:

Signature of the Applicant

Registration Fee: Rs 2360/- (including GST) for Engineering Professionals & Faculty members
Rs. 1770/- (including GST) for UG & PG Students / Research Scholars

Discounts:

- 30% for Associate/Individual/Student members
- Additional 5% for Bulk nominations (≥ 5 nominations)
- Certificate will be issued to those who attend the entire workshop.

Payment Details: (Online)

NEFT / RTGS / IMPS	QR CODE	UPI
INSTITUTE FOR STEEL DEVELOPMENT & GROWTH, UCO Bank, Kasba Branch SB a/c No – 08370100004683, IFSC : UCBA0002081		8334815444@ucobank

or visit <https://www.steel-insdag.org/event> for online registration and payment.

Contact Person:

Coordinator: Sajal Kr Ghorai, Mob: 9836093666, Email: seminars@insdag.com / sajal.ghorai@insdag.com