



**Basics of Steel-Concrete Composite Design
& IS 11384: 2022**

29-30

SEPTEMBER

2023

FRIDAY - SATURDAY

15:00 pm - 17:30 pm (IST)

Steel concrete composite construction is an advanced technology which combines the compressive strength of Concrete with tensile strength of steel to evolve an effective and economic structural system. After becoming more and more popular in the western countries over the years this specialized field of construction is now getting highly adopted in the Indian construction field specially in road bridges.

The basic code for design of steel-concrete composite building in India was IS 11384: 1985 which included only the stipulations for flexural members only and foreign advanced codes were being used for design of these structures in India. The new reviewed IS 11384:2022, where INSDAG played a premier role in preparing the draft, is published and it includes composite slab, columns in addition to flexure members.

This training course is intended to impart knowledge on basic concept composite construction in structural steel and concrete & the design considerations in the code IS 11384: 2022.

Who should join:

- **Entry Level Professional in Steel Design & Construction (0 to 10 years experience)**
- **Faculty of Civil & Structural Engineering**
- **UG & PG Students of Civil & Structural Engineering**

Certificate will be issued to all participants, who attend the full online courses

Registration Fee: Rs. 1770/- (including GST) for Engineering Professionals & Faculty members
Rs. 1180/- (including GST) for Student (UG, PG & Research Scholar)

Discounts:

- a) 30% for Individual & Student members and for nominations for INSDAG member organisations
- b) Additional 5% for Bulk nominations (≥ 5 nominations)

Payment Details: (Online) -

NEFT/ Payment through QR Code - Details are in the registration form

Kindly register by sending the filled up registration form and payment details to ins.steel@gmail.com

Last Date of registration : September 27, 2023
Size of Virtual Classroom : 50 (maximum)

Contact Person

Coordinator : Nibedita Dey
Mob: 9830566354, Email : ins.steel@gmail.com

Lecture Schedule

DAY 1 September 29, 2023 (FRIDAY)

Time Slot	Topic	Speaker
14:30 – 1500	Inauguration & Overview of Composite Construction	INSDAG, Kolkata
Lecture 1 15:00 – 16:00 Q&A 16:00 – 16:15	Steel-Composite Beam – Overview & Basic Design Consideration	Dr. R Senthil Former Head of the Department and Professor of Structural Engineering, Department of Civil Engineering, Anna university, Chennai
Lecture 2 16:15 – 17:15 Q&A 17:15 – 17:30	Design of Composite Deck Slab & Shear Connectors- Concept & New Code provision	Dr. S Arul Mary Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai, Tami Nadu

DAY 2 September 30, 2023 (Saturday)

Lecture 1 15:00 – 16:00 Q&A 16:00 – 16:15	Design of Steel-Composite Column – Basic Design Consideration.	Dr. S Arul Mary Professor, Department of Civil Engg, Thiagarajar College of Engineering, Madurai, Tamil Nadu
Lecture 2 16:15 – 17:15 Q&A 17:15 – 17:30	Composite Construction in Structural Steel & Concrete Case Study	Mr. Girish Dravid Director Sterling Engineering Consultancy Pvt Ltd, Mumbai