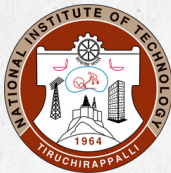
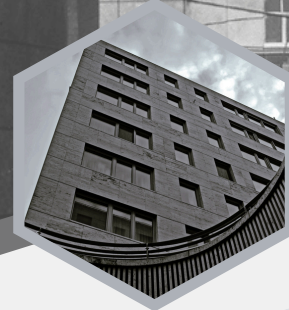


SHORT TERM TRAINING PROGRAMME ON

DESIGN AND CONSTRUCTION OF STEEL CONCRETE COMPOSITE STRUCTURES



ORGANISED BY



**Department of Civil Engineering,
National Institute of Technology
Tiruchirappalli**

**Institute for Steel Development
and Growth (INSDAG),
Kolkata**

National Institute of Technology Tiruchirappalli (NITT) (formerly REC Trichy), established in 1964, is one of the 31 NITs in India, ranked 9th by NIRF in Engineering. The department of Civil Engineering since 1964, has been a leader in imparting Civil Engineering education, research and technological innovation. The department has a long history of expertise in Structural Engineering and construction and is associated with nationally renowned experts.

Established in collaboration with the Steel Construction Institute (SCI), UK, INSDAG focuses on developing advanced, cost-effective steel design methodologies, promoting steel applications in construction, enhancing technical skills, and creating awareness among users and students. It actively contributes to revising codes and standards with BIS and IRC to align with the latest advancement.



15th September, 2025 to 26th September, 2025

Mode: **ONLINE**

Target Audience:

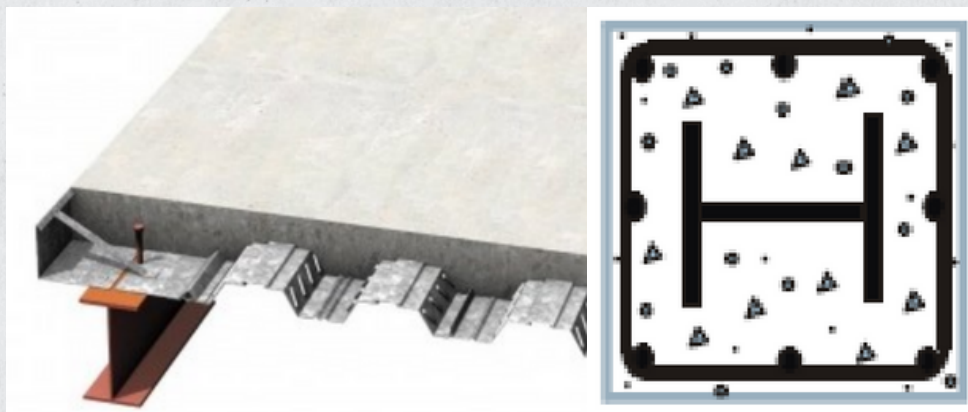
- Students: Bachelors in Civil Engineering and Masters in Structural Engineering
- Young Professionals: Civil / Structural Engineers

BACKGROUND AND OBJECTIVES:

Steel-Concrete Composites have seen substantial advancements, including concepts such as limit state design, with rising preference among builders for large infrastructure projects. New developments such as updates to codes, new connection types and steel and concrete grades. To equip participants with modern methodologies and principles, NIT Tiruchirappalli and INSDAG are jointly organizing a 10-day online training program focusing on "Steel-Concrete Composite Construction". This program will familiarize students and professionals with the latest developments in the field and codal provisions while enhancing their skills for practical application.

COURSE HIGHLIGHTS:

- Duration: 10 days (20 hours total)
- Mode: Online, evening sessions (6:00 PM– 8:00 PM)
- Content: Expert lectures, interactive sessions, and a concluding quiz/test with a valedictory session
- Resource Material: Copy of the presentations



PROGRAM SCHEDULE AND TOPICS

S.No	Topic	Duration Date	Speaker
1	Introduction to IS 11384:2022	2 Hours 15.09.2025	Dr. S Arul Jayachandran, Professor, IIT Madras
2	Understanding the composite mechanism and types of shear connectors	2 Hours 16.09.2025	Dr. Raghavan R Assistant Professor, NIT Tiruchirappalli.
3	Composite beam design: Flexural behavior & walkthrough of an example problem	2 Hours 17.09.2025	Dr. K Baskar, Professor, Dean (P&D), NIT Tiruchirappalli
4	Composite slabs: How to design using IS 11384?	2 Hours 18.09.2025	Dr Marimuthu, Principal Scientist, CSIR-SERC, Chennai
5	Composite columns and beam-column design	2 Hours 19.09.2025	Dr. Arul Mary, Professor & Head, Thiagarajar College of Engineering, Madurai
6	Connection design methods in composite structures	2 Hours 22.09.2025	Dr L M Gupta, Ex Head, Department of Applied Mechanics, VNIT, Nagpur
7	Steel concrete composite for high-rise structures	2 Hours 23.09.2025	Mr. Mohammed Naseem, Vice President, Thornton Tomasetti, Mumbai.
8	Fire behaviour of steel concrete composite structures	2 Hours 24.09.2025	Dr. Jashnav Pancheti, Assistant Professor, IIT Tirupati.
9	Comparison of IS: 11384, EN and AISC – 360.	2 Hour 25.09.2025	Dr. Mashudha Sulthana, Assistant Professor, NIT Tiruchirappalli.
10	Practicalities in composite design and construction: Case studies	2 Hour 26.09.2025	Mr. Girish Dravid Sterling Engineering, Mumbai
	QUIZ/TEST & VALEDICTORY		INSDAG, NITT

REGISTRATION FEE

Category	Amount (Rs)(including GST)
Students	2360.00
Young Professionals	4720.00

WHAT PARTICIPANTS WILL RECEIVE

- Copy of the presentations
- Certificate of participation (minimum 90% attendance required)

HOW TO APPLY:



Kindly register at the following link or scan the QR:
<https://forms.gle/UzgPEEnYVZm3Z9DZ8>

BANK DETAILS WITH QR CODE

INSTITUTE FOR STEEL DEVELOPMENT AND GROWTH

Account No. 08370100004683

Bank Name : UCO Bank

Branch : Kasba

IFSC : UCBA0002081

INSDAG GST No. :19AAAAI0466PIZA

INSDAG PAN : AAAAI0466P

INSDAG TAN :CALI 01219B



THE LAST DATE FOR REGISTRATION IS 10TH SEPTEMBER 2025.

CONTACT

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