



Steel is a widely used structural material in construction. In recognition of its continued importance, this programme has been designed to update or brush up all those involved in the construction of steel structures.

INSTRUCT with the support and cooperation of INSDAG is presenting a course on Structural Steel Buildings, which is especially recommended for the civil and structural engineers, architects, designers and fabricators, and final year engineering students.

The course has been carefully put-together by the industry experts to bridge the gaps between some of the current practices and technological advancements; and between engineering curriculum and field practice. The list of topics covered gives an outline view of the course; and, the speakers are some of the most insightful professionals on their subjects.

This course is designed also to help all those involved with construction of steel structures to brush-up on many fundamental principles not conspicuously used in day-to-day work, and their use reduced to a sort of ritualistic practices; and to obtain clarity on design considerations that some could be a little unsure of, such as wind loads and wind pressures; seismic effects; connections detailing; protective coating specification in corrosive environment; fire protection materials such as intumescent coatings, etc.

INSTRUCT and INSDAG are both upbeat about an enthusiastic welcome to the course by professionals and budding professionals alike in steel constructions, through active participation in the course and whole-hearted support by spreading word of this course amongst co-professionals.

## Topics

- Overview of structural steel for buildings
- Wind resistance and measures adopted in buildings
- Seismic forces on buildings - an introduction
- Overview of seismic code (IS:1893-2018)
- Structural systems used for buildings including seismic resistance and design requirement for ductile detailing of Steel Structure – Section 12 of Code IS 800-2007
- Overview on connections – designing and detailing of bolted connections and welded connections including seismic requirements
- Protection of steel structures from corrosion and fire
- Fabrication and erection of structures
- Case studies of failures in steel buildings

## Registration fees for the webinar

Members of INSTRUCT, INSDAG, ICI- KBC, ACCE(I), IOV	₹ 2000/-
Non members	₹ 2500/-
Students	₹ 1500/-

Exclusive of GST @ 18%

All payment should be made through payment gateway in

[www.instructindia.in](http://www.instructindia.in)

## Speakers



**Dr. Jayanta Kumar Saha**  
General Manager, INSDAG



**Sri Debashis Datta**  
Former General Manager, INSDAG



**Sri Partha Bandyopadhyay**  
Technical Director  
M N Dastur & Co. Ltd, Kolkata



**Sri Amitabha Datta**  
Advisor -  
STUP Consultants Pvt. Ltd, Kolkata



**Dr. S R Sathishkumar**  
Professor -  
Indian Institute of Technology, Madras



**Dr S Arul Jayachandran**  
Professor -  
Indian Institute of Technology, Madras



**Sri Anjaneya Murthy D S**  
Consulting Engineer  
Bengaluru

## Moderator



**Sri M. M. Ghosh**  
Deputy General Manager, INSDAG

## Webinar Schedule

7 <sup>th</sup> October (Wednesday) 2020.	Session 1	Inaugural Event- Overview	<b>Mr. M M Ghosh</b> DGM INSDAG, Kolkata
7 <sup>th</sup> October (Wednesday) 2020.		Overview on Structural Steel for Buildings	<b>Dr. Jayanta Kumar Saha</b> General Manager INSDAG, Kolkata
08 <sup>th</sup> October (Thursday) 2020.	Session 2	Measures adopted in Buildings for Wind Resistance	<b>Mr. Debashis Datta</b> Former General Manager INSDAG, Kolkata
09 <sup>th</sup> October (Friday) 2020	Session 3	Overview on Connections-Bolted Connection (Design and Detailing including seismic requirement)	<b>Mr. Debashis Datta</b> Former General Manager INSDAG, Kolkata
14 <sup>th</sup> October (Wednesday) 2020.	Session 4	Welded Connection ( Design and Detailing including seismic requirement)	<b>Dr. S R Sathishkumar</b> Professor Indian Institute of Technology, Madras
15 <sup>th</sup> October (Thursday) 2020	Session 5	Introduction to Seismic Forces, Overview of Seismic code (IS: 1893-2018)	<b>Dr. S R Sathishkumar</b> Professor Indian Institute of Technology, Madras
16 <sup>th</sup> October (Friday) 2020.	Session 6	Protection of Steel structures from Corrosion and Fire	<b>Dr. Jayanta Kumar Saha</b> General Manager INSDAG, Kolkata
21 <sup>st</sup> October (Wednesday) 2020.	Session 7	Various Structural systems used for buildings including seismic resistance & Design requirement for ductile detailing of Steel Structure – Section 12 of Code IS 800-2007	<b>Dr. S R Sathishkumar</b> Professor Indian Institute of Technology, Madras
22 <sup>nd</sup> October (Thursday) 2020.	Session 8		<b>Dr. S Arul Jayachandran</b> Professor Indian Institute of Technology, Madras
28 <sup>th</sup> October (Wednesday) 2020.	Session 9	Fabrication and Erection of Structures-	<b>Mr. Partha Bandyopadhyay</b> Technical Director - Construction & Site Services M N Dastur & Company (P) Limited, Kolkata
29 <sup>th</sup> October (Thursday) 2020.	Session 10	Fabrication and Erection of Structures- CASE STUDY	<b>Mr. Amitabha Datta</b> Advisor – International Operations STUP Consultants Pvt Ltd
30 <sup>th</sup> October (Friday) 2020.	Session 11	Failures in Steel Buildings	<b>Mr. Anjaneya Murthy D S</b> Consulting Engineer, Bengaluru
30 <sup>th</sup> October (Friday) 2020.		OPEN HOUSE for free discussion, questions, and answers <b>Mr. M M Ghosh, Dr. Jayanta Kumar Saha Mr. Debashis Datta, Dr. S Arul Jayachandran, Dr. S R Sathishkumar, Mr. Partha Bandyopadhyay, Mr. Amitabha Datta, Mr Anjaneya Murthy D S</b>	

For more information, contact :