INSTRUCT®
Empowering India's Construction

Institute for Research, Development and Training of Construction Trades and Management

Karnataka State Public Works Department

2 Day Special Programme on

Analysis and Design of High-Rise Buildings Using Software

9th & 10th April 2026
(Thursday & Friday)

9:00 – 18:00 Hrs IST

Hotel Naveen,
Hubli-Dharwad Highway,
Near Unkal Late,
Bairidevarkoppa
Hubli-580025

Registration Link :

Supporting Organisations

ASSOCIATION OF CONSULTING CIVIL ENGINEERS (INDIA)
Greater Mumbai Centre

INDIAN CONCRETE INSTITUTE
Bengaluru Centre

Digital Media Partner
Constrofacilitator
Digitized knowledge for Construction

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About the Special Programme:

Analysis and Designing high-rise buildings requires advanced structural analysis, precision modelling, and strict compliance with National and International design codes. Modern software and Structural Engineering enables accurate simulation of loads, structural behavior, seismic response, wind effects, and construction sequencing.

Advanced tools such as ETABS, STAAD.Pro, MiDas, SAFE and SAP2000 allow engineers to perform nonlinear dynamic analysis, time-history simulations, and foundation interaction studies with precision.
Moreover, adherence to National and International Standards ensures structural safety, serviceability, and durability. Sustainability considerations including material optimization and construction planning are now components of high-rise structural design.
Ultimately, the combination of advanced computational tools, rigorous code compliance, innovative materials, and collaborative engineering practices enables the safe, efficient, and resilient development of modern high-rise structures.

INSTRUCT organizes this special programme aiming at:

1. To provide an overview of the analysis and design principles of high-rise buildings using modern structural engineering software and computational tools.
2. To familiarize participants with computer applications used in structural engineering, particularly in modelling, analysis, and interpretation of results.
3. To explain the idealization of structural systems for accurate simulation of real structural behaviour.
4. To provide hands-on exposure to industry-standard software such as ETABS and STAAD.Pro for the analysis and design of high-rise buildings.

TOPICS & SPEAKERS

An Overview - Analysis and design of High Rise Buildings using Software

Prof. Ramesh Nayaka
Assistant Professor
IIT Dharwad

Wind Forces

Dr Abhay Gupta
Director- Skeleton Consultants Pvt Ltd,
Noida

Soil Structure Interaction of High Structures

Dr. Roopa M
Assistant Professor
Department of Civil Engineering
Siddaganga Institute of Technology
Tumakuru

Application of Etabs Software for Modelling and Structural Analysis of High Rise Buildings: A Project-Based Approach & Idealization of Structures

Er. G.M.Kotur
Assistant Professor,
Jain College of Engineering
& Technology, Hubli

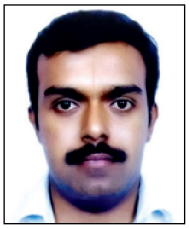
Seismic Resistant Structures

Er. Pulkit D Velani
Specification Engineer &
MIDAS Academy Manager
MIDAS Research & Development
Centre India Pvt., Ltd.
Navi Mumbai

Computer Applications

Er. Prakash B Bajaj
Managing Director
Building Software
Navi Mumbai

Analysis of High-rise Buildings using Shear Wall Technology



Er. Dhananjai K Naidu
Managing Director
KRSNA Engineers
Bengaluru

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Who can be benefit :

1. Designers
2. Architects
3. Consultants
4. Academia
5. Students
6. Manufacturers
7. PMC
8. Construction engineers
9. Members of INSTRUCT, INSDAG, ACCE(I), ICI
10. Design Engineers from Central and State Government and Private Organisations
11. Manufacturers of Cement, Concrete, Precast Elements, Construction Chemicals, Paints, Green Building Materials, etc.

Registration Fee

(delegate fee includes delegate kit, lunch and hi-teas)

Delegates	Fee
Non - Members	**₹ 9,440/-**
INSTRUCT, ACCE(I) & ICI Members	**₹ 8,260/-**
Students of Engineering Colleges	**₹ 3,540/-**

* Inclusive of GST

Sponsorship Opportunities :-

INSTRUCT invites organisations servicing construction industry to sponsor the programme and take the marketing opportunity to reach out to interested group of engineers from construction industry.

Sponsoring organisations can enjoy the following privileges:

Privileges	Platinum Sponsor ₹ 2,00,000/-	Gold Sponsor ₹ 1,00,000/-	Silver Sponsor ₹ 70,000/-	Bronze Sponsor ₹ 50,000/-	Exhibition Stall Space (3mtrx3mtr) ₹ 30,000/-	Supporting Organisation ₹ 25,000/-
Demo Slot	30 mins	15 mins	-	-	-	-
Banner Display at Venue	✓	✓	✓	✓	✓	✓
Distribution of Marketing Materials	✓	✓	✓	✓	✓	✓
Logo on Power point slides, in the backdrop	✓	✓	✓	-	-	-
Complimentary Delegates	8	4	2	1	1	1

Opportunity to Display Banner at the Venue **₹ 10,000/-**

* Plus 18% GST for all the above mentioned Amount

Payment :

Sponsorship payments should be made through e-transfer (i.e. RTGS/NEFT etc.) or Account Payee DD or at par cheque drawn in favour of **"INSTRUCT, BANGALORE"** payable at Bengaluru.

:

Our bank details are given below

ELECTRONIC PAYMENT DETAILS

Name	:	INSTRUCT Bangalore
Bank Name	:	Union Bank of India
Branch Name	:	Nrupatunga Road Branch
Address	:	#14/3, Nrupatunga Road, Bangalore-560002
ACCOUNT No	:	520101235036516
IFSC CODE	:	UBIN0901750
PAN	:	AAATI3463K
GSTIN	:	29AAATI3463K1ZD

You can also pay through
Google pay/ PhonePe to 9141042097
SCAN TO PAY
INSTRUCT

UPI ID : 71201601@ubin

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About INSTRUCT

INSTRUCT is a 'not-for-profit' institute in the service of construction industry for over thirty five years. It was originally conceived as Centre of Awareness in Construction and Engineering in 1989 by a few like minded, dedicated professionals, to provide high quality training to the construction industry fraternity both to upgrade skills of craftsmen and to update engineers on the latest technology.

During the past thirty five years, INSTRUCT has trained over 35,000 personnel through more than 1500 training programmes. It has earned recognition and awards for its service to the industry from premier bodies such as, Construction Industry Development Council, Rotary BSE,etc.,

The latest recognition earned for its service in educating construction industry is the prestigious 'Vishwakarma Award' by CIDC for the year 2023. Received 16th CIDC 'Vishwakarma Award' for creating social development and impact recently.

Board of Governors (2025-27) of INSTRUCT

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Er. G B Suresh Kumar	- Hon. Vice Chairman
Er. Mohan Kumar M	- Hon. Secretary
Er. Dhananjai K Naidu	- Hon. Treasurer

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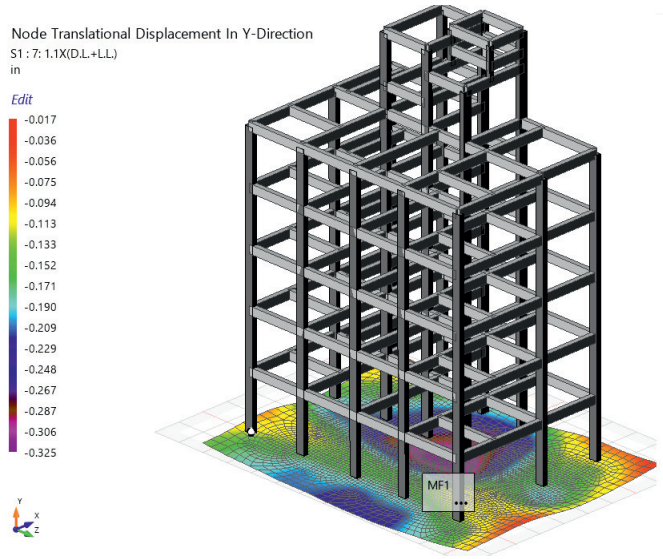

MF1_DGN_1 : Load Transfer Check

Detailed

M1

Critical Load Combination	=	S1 : 10: 1.2X(D.L.+L.L.+E.L.) AL -X
Depth	=	304.8 mm
Pu	=	1219.54 kN
A1	=	2.45 m2
A2	=	0.11 m2
Base Area (LY*LZ)	=	204.39 m2
	=	A1 <= Base Area
Thus, A1	=	2.45 m2
Sqrt (A1/A2)	=	4.669
Multiplying Factor	=	Sqrt (A1/A2) <= 2
Thus, Multiplying Factor	=	2
Concrete Bearing Capacity	=	0.45 * fck * Multiplying Factor * A2
	=	2094.28 kN
	=	≥ Pu, Hence Ok

Sponsors

KRSNA ENGINEERS

VHM

VHM Structural Evaluations LLP
Non Destructive Testing for RCC Structures

Sanjana ENTERPRISES
WATERPROOFING, EPOXY, PU FLOORING SOLUTION & SERVICES
30 YEARS OF EXPERTISE

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