



**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE,
CHANDKHEDA**

**Brief Report on Expert talk on structure design and analysis in
CSI ETABS**

Name of Department	:	Civil Engineering Department
Name of Event		Expert talk on structure design and analysis in CSI ETABS
Coordinator		Prof. Yamini J. Patel
Invited Guest (If any)		Mr. SANNY KAUSHAL M.D AT STRUCTUREX PVT. LMT.
Date & Time	:	18 th September 2020, 10.30 a.m to 12.30 a.m
Venue	:	Online Lecture through Zoom Meeting Platform
No of Participants	:	54

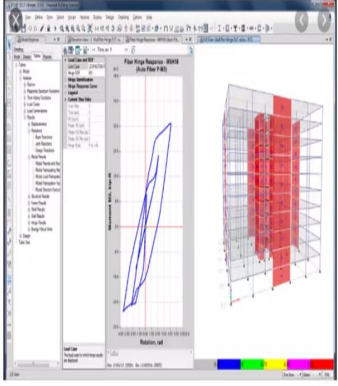
• **Objective of the Event**

For 7th semester Civil Engineering students of Vishwakarma Government Engineering, Chandkheda, an Expert on “structure design and analysis in CSI ETABS” Software was organized on 18th September 2020 to increase the awareness regarding various software tools available for the design and analysis of the RCC Structures, Steel Structures.

• **Outcome of the Event**

The expert talk was delivered online through Zoom meeting platform. Application of ETABS Software was being explained by Mr.SANNYKAUSHAL, M.D AT STRUCTUREX PVT. LMT., Ahmedabad. The topics covered are: Modeling Technique, Understanding Structural Principles and Loading in ETABS, Earthquake Analysis with Static and Dynamic modeling, Understanding and working with all IS Codes, Core Industrial software used in Structural Designing, Structural System, Advancement of Construction Technology, Advancement in Construction with coming of BIM. He also explored about importance of knowledge of Software for the Career in the field of Structural design. He explained the real example of structural analysis and design of Statue of Unity. Total participants of the workshop are 54.

• Event Photographs



ETABS®

- For R.C Structure.
- For Super Structure Design.
- Flat Slab design
- Earthquake Engineering
- Buckling analysis
- For Linear & Non Linear analysis
- For PBD Design
- Staged Sequence Analysis
- P Delta analysis

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BUILDING DESCRIPTION

- Multi Tower 25 Story-residential building.
- RCC Structural System (Rcc Structure)

ANALYSIS PERFORMED

- FEM.
- Modal Analysis.
- Static Earthquake Analysis
- Auto Stage Construction Analysis
- P-Delta
- Buckling Analysis
- Torsion Irregularities
- Response Spectrum Analysis

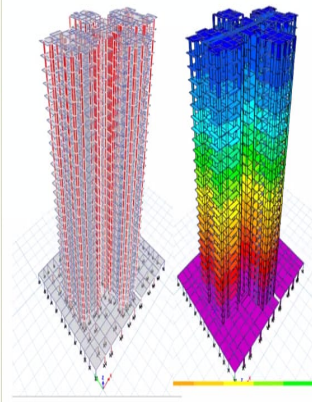
DESIGN METHOD FOR SEISMIC DESIGN

- Lateral Strength Based Design

FOUNDATION SYSTEM

- RAFT-PILE


Structurex Pvt. Ltd.'s screen



MULTI TOWER 23 STORY RESIDENTIAL PROJECT






10:20 | 39.0KB/s


Zoom




Unmute Start Video Share Participants

The World famous company using ETABS











RAMBOLL is famous
MNC company 300
Office in 35 countries.




Mott MacDonald is North
American Company whose
offices in 100+ is an leading
Structural consultant.



BURNS & MCDONNELL is
world's famous
consultant.



ATKINS is MNC Company
which has designed
CAPITAL GATE Which is
the 7 Star Hotel in Dubai.



SOM is an MNC
Company who has
Designed BURJ KHALIFA.

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