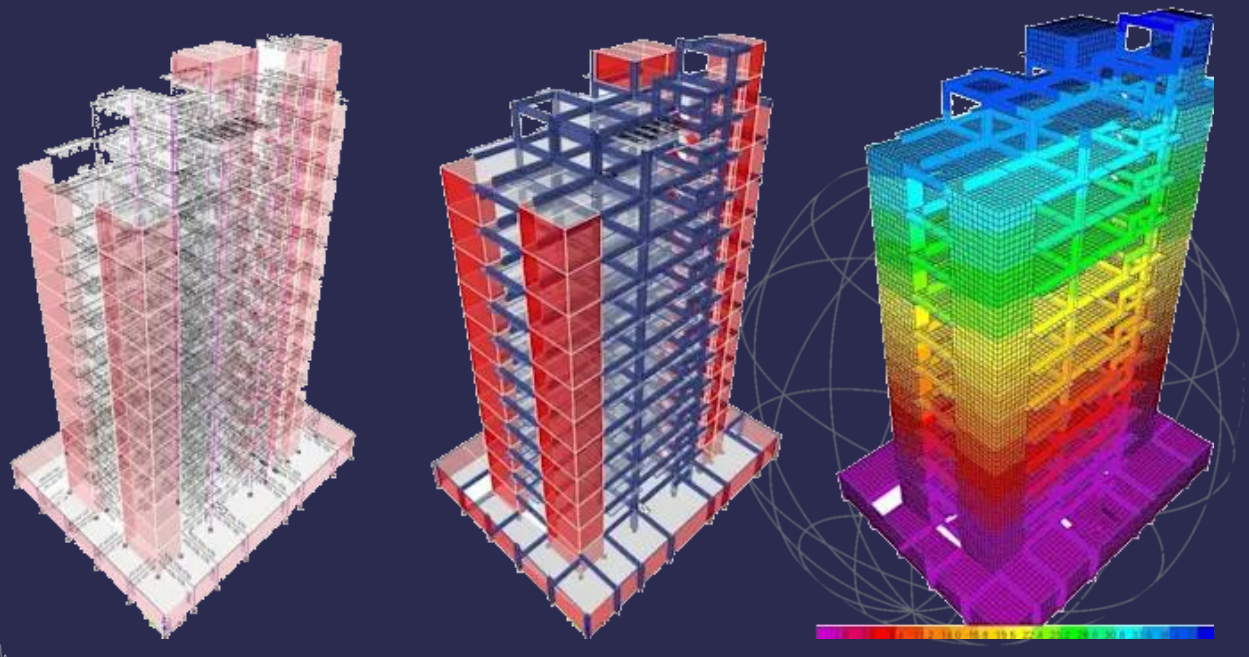
SCMCES TRAINING SERIES

Structural Analysis & Design of Tall Building using ETABS



SCMCES provides consultancy services for civil infrastructure, including Structural Analysis Design, Review, Audit, Remedial Engineering, Advanced Rehabilitation Technologies(ART), Structural Health Monitoring (SHM) services as well as research and training in related engineering domains.

CONSULTANCY & ENGINEERING SERVICES

+91-84314 22882

scmces.consultants@gmail.com

www.scmces.com

"Engineering Insight ✣ Monitoring Integrity ✣ Building Futures"

SCMCES TRAINING SERIES

Structural Analysis & Design of Tall Building using ETABS

Model Right. Analyze Right. Design with Confidence.

About the Course

- This course is aimed at civil and structural engineers who wish to **apply structural analysis and design principles effectively using CSI ETABS**, one of the most widely adopted software platforms for **multi-storey building systems**.
- ETABS is extensively used for **RC and steel buildings**, seismic and wind analysis, and code-based design. However, **software proficiency alone is not sufficient**—a clear understanding of **structural behaviour, modelling assumptions, load paths, and code intent** is essential. This program presents a **systematic engineering roadmap** from conceptual modelling to design output.
- No prior ETABS experience is required. A basic understanding of **structural analysis, RCC/steel design, and building behaviour** is assumed. The course is suitable for **freshers, practicing engineers, and professionals seeking skill enhancement or validation**.

Who Should Attend

Civil Engineers | Structural Engineers | Post-graduate students | Final-year engineering students | Fresh Graduates | Practicing Professionals

SCMCES Training benefits

- ✓ Engineering-led training approach
- ✓ Practical civil & structural case studies
- ✓ Application-oriented learning
- ✓ Professional certification on completion

How the Training Works

- Tall building design: Concepts, fundamental analysis and design principles
- Step-by-step explanation of modelling and analysis concepts
- Live demonstrations using CSI ETABS
- Hands-on building models developed during sessions
- Engineering case studies based on real project scenarios
- Design interpretation, common mistakes, and best practices

Training batch details

- **Batch starts** : Every Quarterly
- **Training Mode** : Online/ Offline / Hybrid
- **Course duration** : 40 Hrs. (2~3 -hour session per day)
- **Enquire Now | Book Your Seat** : +91 8431 42 28 82
  scmces.consultants@gmail.com

Disclaimer: CSI ETABS is a registered product of Computers and Structures, Inc.. This training is independent and application-oriented.

SCMCES TRAINING SERIES

Structural Analysis & Design of Tall Building using ETABS

Model Right. Analyze Right. Design with Confidence.

Course Topics & Modules

- **Introduction to Building Structural Systems**
  Load paths, idealization, modelling philosophy
- **Getting Started with CSI ETABS**
  Interface, grids, storeys, materials, and sections
- **Structural Modelling in ETABS**
  Beams, columns, slabs, walls, diaphragms
- **Load Definition & Load Combinations**
  Dead, live, wind, seismic loads as per codes
- **Static Structural Analysis**
  Gravity load behaviour and internal force generation
- **Seismic Analysis**
  Equivalent static method and response spectrum analysis
- **Wind Load Analysis**
  Wind load application and interpretation of results
- **Structural Design in ETABS**
  RCC and steel member design, checks, and reports
- **Result Interpretation & Validation**
  Drifts, storey forces, torsion, irregularities
- **Engineering Reporting & Coordination**
  Communicating results, assumptions, and limitations

What Participants Receive

- Step-by-step ETABS modelling examples
- Sample building models and load templates
- Design interpretation guidelines
- Best-practice modelling checklist
- Course completion certificate from SCMCES

Training batch details

- **Batch starts :** Every Quarterly
- **Training Mode :** Online/ Offline / Hybrid
- **Course duration :** 40 Hrs. (2~3 -hour session per day)
- **Enquire Now | Book Your Seat :** +91 8431 42 28 82
  scmces.consultants@gmail.com

Disclaimer: CSI ETABS is a registered product of Computers and Structures, Inc.. This training is independent and application-oriented.