

Structural Analysis and Design Engineering Software

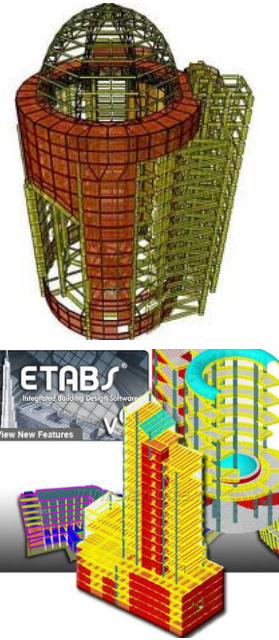
ETABS

Course Objectives:

The objective of this intensive course is to familiarize participants with the program **ETABS** and train them how to use it in the structural analysis and design of buildings (3D multi story R.C. Structures, 3D multistory steel structures).

Course Topics:

- Introduction with present form of **ETABS**
- Concepts of the finite element method
- Global and local coordinate system
- Frame and shell elements
- Modeling with **ETABS**
- Material and elements definitions
- Loads and constrains definitions
- Define load combination
- Define joint pattern
- Analysis option
- Import and export functions
- Print graphic output



Course Applications:

This course will allow participants to learn how to use **ETABS** to model, analyze and design a Concrete and Steel Structure subjected to static gravity and lateral load. An introductory session on Seismic Analysis is also included.

Attendants:

This course is intended for Engineers, Site Engineers, Civil Engineers, Structural Engineers, Geotechnical, Mechanical Engineers, Consulting Engineers and Students studying Civil Engineering.

Visual Aid and other Required Facilities

- A personal computer for each attendant
- Data Show
- Lab
- Lecture room

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Course Schedule :

This is a 20 hours the exact schedule of which will be worked out with the organizer.

Instructors:

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