SourcERA

Structural Design & Analysis using ETABS

Course Curriculum (Duration: 60 Hrs.)

Chapter 1: Introduction to ETABS

a. Overview of ETABS
b. Getting Help
c. Templates and Defaults
d. Graphical User Interface
e. ETABS Screen Menus
f. Units System
g. Coordinate Systemes

Chapter 2: Modelling In ETABS

a. Starting a New Model
b. New Model Quick Templates
c. Grid System Data
d. Add Structural Objects
e. Edit Stories and Grid Systems
f. Add Grid at Selected Joints
g. Grid Options
h. Save the Model

Chapter 3: Editing Properties

a. Replicate
b. Extrude
   - Extrude Joints to Frames
   - Extrude Frame to Shells
c. Merge Joints
d. Align Joints/Frames/Edges
e. Move Joints/Frames/Shells
f. Edit Frames
g. Edit Shells

Chapter 4: Defining Properties

a. Material Properties
b. Section Properties
c. Load Patterns
d. Shell Uniform Load Sets
e. Load Cases
f. Load Combinations

Chapter 5: Structural Objects

a. Draw Grids
b. Draw Dimension Lines
c. Draw Joint Objects

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