



CSI SAP

The SAP name has been synonymous with state-of-the-art analytical methods since its introduction over 30 years ago. SAP2000 follows in the same tradition featuring a very sophisticated, intuitive and versatile user interface powered by an unmatched analysis engine and design tools for engineers working on transportation, industrial, public works, sports, and other facilities.

course	Duration
CSI SAP	28

Course outline :

1. Introduction.(Meaning of Finite Element)
2. Analysis Of 2D Frames.
3. Design of Solid Slab.
4. Design of Flat Slab.
5. Design of Columns “Excel”.
6. Design of Hollow Block Slab.
7. Design of Paneled Beams.
8. Design of Stairs.
9. Integration between AutoCAD To SAP.
10. Joint Constraints.
11. Design of 2D Truss.
12. Design of Raft.
13. Design of Pre-stressed Girders.
14. Design of 3D Modeling and Applying Earthquake Wind Load.