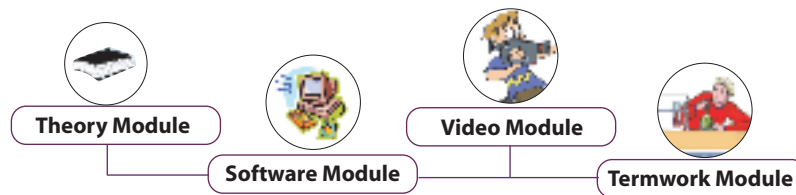


Design of Structures

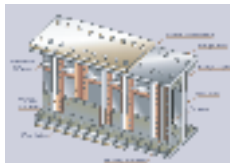


System Requirement:- IBM-PC Compatible with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

Features : Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Printing facility, Access to numerical modules, Access to Videos at appropriate locations.

Highlights

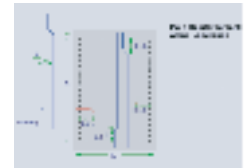


- ✍ Easy way of learning with IS code references and tables.
- ✍ All symbols and notations as per Indian Standards.
- ✍ Design drawing details as per SP 34
- ✍ Colour Contour diagrams for easy understanding.
- ✍ 3D Models for real life learning.

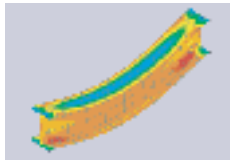
List of Topics

Design of Concrete Structure

Introduction, WSM, LSM, Singly Reinforced Section, Doubly Reinforced Section, Analysis & Design of Flanged Section, Limit State of Collapse Shear, One Way Slabs, Two Slabs, Stairs, Retain Walls & Water tank, Limit State of Collapse Compression, Footings, Earthquake Resistant Structures...



Design of Steel Structure



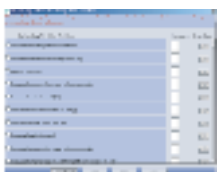
Introduction, Riveted Connections, Welded Connections, Design of Tension Member, Design of Compression Member, Stanchions & Columns, Steel Roof Truss, Beams, Welded Plate Girder, Design of Riveted Connections, Column Base.



Video Module

Beam coverings, Beam reinforcement making, Beam Supports, Beam formwork...

Software Module



Design of Simply supported and built-up beam. Beam to beam & beam to column framed connections. Design of riveted connection, Design of built-up column. Design of tension member. Design of Purlin & panel point load calculations for truss. Design welded connection. Design of welded plate girder. Moment of Resistance and Design of Singly, Doubly and Flanged sections. Design of One way, Two way slabs. Design of Staircase, Cantilever beam. Design of shear stirrups. Design of stem of cantilever retaining wall. Design of axially loaded columns. Design of isolated square footing.

Termwork Module

Contains assignments on various topics covering Subjective questions, Objective questions, Random selection of objective type questions, Numerical assignments, Video assignments.

