IV Year I Semester	L	Т	Р	С
Code: 17CE712	0	0	3	2

STRUCTURAL ANALYSIS & DESIGN LAB

Course Learning Objectives

The objectives of this course are:

- 1. Todesign2-Dframeanalysis and 2-Dframedesign
- 2. To design steelt abulartruss analysis and steelt abulartruss design
- 3. To design3-Dframe analysis and 3-Dframe design
- 4. To design retaining wall analysis and retaining wall design
- 5. To design tower analysis and simple tower design

COURSE OUTCOMES

Students will get ability to

- 1. Design2-Dframeanalysis and 2-Dframedesign
- 2. Design steelt abulartruss analysis and steelt abulartruss design
- 3. Design3-Dframeanalysis and3-Dframe design
- 4. Design retaining wall analysis and retaining wall design
- 5. Design tower analysis and simple tower design
- 6. Design Multi storeyed structure

EXCERCISIES:

- 1. 2-DFrameAnalysis
- 2. 2-DFrameDesign
- 3. Steel Tabular Truss Analysis
- 4. Steel Tabular Truss Design
- 5. 3-DFrameAnalysis
- 6. 3-DFrameDesign
- 7. Retaining Wall Analysis
- 8. Retaining Wall Design
- 9. Simple Tower Analysis
- 10. Simple tower Design
- 11. Analysis of Multi-storeyed structure
- 12. Design of Multi-storeyed structure

Software:

1.STAADProorEQUIVALENT