

VIRTUAL LAB FOR STRUCTURAL ENGINEERING
((ELECTIVE LAB –II))

Course Code: 19CE2263

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Course Outcomes:

At the end of the course students will be able to

CO1: carryout experiment on principal stress and fatigue tests CO2: carryout experiment on beams and plates

CO3: carryout experiments on trusses and arches

CO4: carryout a SDOF free and forced vibration tests CO5: carryout a MDOF free vibration tests

1. Principal Stresses Experiment
2. Fatigue Test Experiment
3. Column Analysis Experiment
4. Portal Frames Experiment
5. Plates Experiment
6. Rigid Joints Experiment
7. Arches Experiment
8. Trusses Experiment
9. Plastic Hinge Experiment
10. Simple Harmonic Oscillator
11. Free Vibration of S.D.O.F System
12. Forced Vibration of S.D.O.F System
13. Vibration of M.D.O.F System
14. Continuous Systems

References

1. <http://www.vlab.co.in/broad-area-civil-engineering>