

**Department of Civil Engineering
Curriculum (Semester 1 and Semester 2)**

COURSE CONTENT

Mechanics Laboratory (0-0-3)

Experiments to be conducted on the following 10 experiments, as time would permit for the semester:

Structural Mechanics

1. Force polygon/equilibrium of three dimensional forces
2. Deflection of truss
3. Buckling of a slender member
4. Deflection of beam
5. Three hinged arch/ Two hinged arch
6. Torsion of rods

Fluid Mechanics

1. Bernoulli's theorem verification
2. Metacentric height determination
3. Centre of pressure
4. Streamlines visualization