Design of Steel Structures LAB (BCET-702)

Course Outcomes:

1. Identify and compute the design loads on a typical steel building

2. Able to identify and interpret the appropriate relevant industry design codes.

3. Identify the different failure modes of steel tension and compression members and beams, and compute their design strengths.

4. Students will be able to check and specify the serviceability requirements of the designed steel structures.

5. Identify the different failure modes of bolted and welded connections, and determine their design strengths.

List of Experiments:

1. Structural steel sections

2. Simple connection

3. Eccentric connections

4. Connections in tension members

5. Lacing and battening type columns

6. Column bases – Gusseted base, Slab base

7. Steel Truss

Department of Civil Engineering