

**Year / Sem:** III Year II Sem.  
**Lab code / Name:** CE605PC / COMPUTER AIDED DRAFTING LAB-II  
**Lab Incharge (Faculty / Lab staff):** Mrs Taiyaba Sultana / Ms D Sneha


**Course Objectives:** To make students understand detailing of all kinds of structures such as reinforced concrete, plain concrete, steel structures.

**Course Outcomes:** At the end of the course, the student will be able to Student can draft various structures

**List of experiments:**

1. Detailing of reinforcement in Cantilever, Simply supported and Continuous Beams (Both Singly & Doubly Reinforced Beams)
2. Detailing of reinforcement in canopy & columns (both uniaxial & biaxial)
3. Detailing of reinforcement in RC isolated footings square, rectangular, circular and combined footings.
4. Detailing of reinforcement in RC one-way, two-way slabs and dog-legged staircases.
5. Drawing of Steel bolted and welded connections.
6. Drawing of steel compression and tension members.
7. Drafting of steel beams-built-up sections.
8. Drafting of steel plate girder
9. Drafting of steel roof truss.

**List of Equipments:**

| S.no | Equipment                             | Specifications             | Use             | Photos  |
|------|---------------------------------------|----------------------------|-----------------|---|
| 1.   | Acer computers with Auto Cad software | P4 2 GB RAM, 80/160 GB HDD | Experiments 1-9 |  |