

**CADD LABORATORY**

Major Equipment's Available in the Lab

Sl. No	Software Required	Processor	RAM
1	AUTOCAD	i7, 2GB graphics	8 GB
2	Revit	i7, 2GB graphics	8 GB

**COURSES OFFERED**

Sl. No	Odd Sem (Course code & Name)	Class	Even Sem (Course code & Name)	Class
1	-	-	CE3611-Building Drawing and Detailing Laboratory	III CIVIL

**CE3611 - BUILDING DRAWING AND DETAILING LABORATORY**

**OBJECTIVES:**

- To impart knowledge and skill relevant to Building drawing
- Detailing lab using computer software

**OUTCOME**

- Draft the plan, elevation and sectional view of the load bearing and framed buildings
- Draw the structural detailing of RCC elements
- Draw the structural detailing of RCC water tanks, footings and retaining walls
- Draw the structural detailing of steel structures
- Draft the structural detailing of Industrial structures

**LIST OF EXPERIMENTS**

1. Principles of planning and orientation
2. Buildings with load bearing walls and RCC roof (Plan, section, elevation)
3. Buildings with sloping roof
4. Buildings with Framed structures.
5. Building information modelling.
6. Reinforcement details of RCC structural elements (slab, beam and column)
7. Reinforcement details of footings (Isolated, stepped, combined footing)
8. Steel structures (Steel Connections detailing, beam to column connection, beam to beamconnection – bolt & Weld, Roof truss & purlin