



## **DRAWING HALL**

### **Courses Covered:**

1. CET-111-L-Civil Engineering Drawing, Drafting and Interpretation

**DEPARTMENT OF CIVIL ENGINEERING  
TECHNOLOGY  
PUNJAB TIANJIN UNIVERSITY OF TECHNOLOGY,  
LAHORE**

# **Course Title: CET-111-L-Civil Engineering Drawing, Drafting and Interpretation**

## **List of Experiments:**

1. Draw a Plan and section of isolated and combine footing showing reinforcement also draw the Schedule of Footing.
2. Draw a four storied Building Column's elevation and cut section at each floor reducing reinforcement and cross-section of column.
3. Draw Schedule of Beam also draw Typical Elevation of Beam, showing Bottom bar, Extra bottom bar, Hanger bar, Top bar, Extra Top bar, and rings.
4. Draw single span Beam Elevation and its Section showing reinforcement using bent up bar.
5. Draw a three span RCC Beam elevation and its section showing reinforcement also develop Schedule of Beam.
6. Draw a Plan (13 X 17) and its X-section of single span RCC Slab, showing reinforcement. Short way #3@6"c/c, long way #3@9"c/c, Slab thickness 6".
7. Draw Plan and X-section of one-way slab of three spans showing reinforcement.
8. Draw Plan and X-section of Septic Tank.
9. Draw a Plan of 120 sq. yard residential bungalow.
10. Draw elevation and section of bridges showing the components of bridge like Pile, Pile cap, Abutment, Transom, Diaphragm.
11. Draw elevation and section of girder (R.C.C & Prestress) showing pre-stress & non Prestress reinforcement.
12. Draw elevation, section, and reinforcement drawing of Culvert.
13. Draw elevation, section and reinforcement drawings of Cantilever Retaining Walls.
14. Draw Elevation, section and reinforcement drawing of Counterfort Retaining Walls
15. Draw general layout of an Airport showing typical x-section of runway.
16. Draw elevation and section of Jetties and Quay Walls.

## **List of Equipment's:**

Number of Drawing Boards Available = 50 (One workstation is available per student).

