

## **DIPLOMA IN CIVIL ENGG. 6<sup>TH</sup> SEM**

### **DECE-604**

1. Design and analysis of multi-storied Commercial building.
2. Design of residential apartments.
3. Design of R.C.C over Head Tank.
4. Designing and Planning of Auditorium.
5. Design and analysis of Multistoried Residential Building.
6. Analysis & Design of a Residential Villa.
7. Economical Building Design(Low Cost House).
8. Gated Community Planning & Design .
9. Green Buildings Design & Construction .
10. Duplex House with solar panels Analysis and Design.
11. RMC Plant Construction & Design .
12. R.C.C Bridge slab design .
13. Flat slabs design .
14. Pile foundation design .
15. Design of under-reamed pile in black cotton soils.
16. Raft foundation design.
17. Analysis & Designing of columns with lateral loads (beam-columns) .
18. RCC Portal frame design .
19. RCC shear wall design .
20. Design for torsion in beams.
21. Design of pile caps
22. Design of domes
23. Design of circular slabs
24. Seismic design of joints in RCC buildings .
25. Design of RCC pipes