III YEAR B TECH II SEMESTER
(16187) COMPUTER AIDED DRAFING OF BUILDING LABORATORY

Course description
This course provides students with a broad introduction into 2-dimensional and 3-dimensional Computer-Aided Design (CAD) and modeling with a focus on construction- and architecture-specific applications, including Building Information Modeling (BIM).

LIST OF EXPERIMENTS
1. Software for CAD-introduction to different software
2. Introduction to computer aided drafting
3. Practice exercises on basic commands of CAD software
4. Drawing of plans of Single storey buildings using software
5. Drawing of plans of Multi storied buildings
6. Developing sections and elevations of Single storey buildings
7. Developing sections and elevations of Multi storey buildings
8. Detailing of different types (any 2 types) of doors and its components by using CAD
9. Detailing of different types (any 2 types) of windows and its components by using CAD
10. Detailed drawing of Roof trusses by using CAD
11. Exercises on the development of working of building by using CAD
12. Planning of commercial building (School building)