

Course-10 Title: Engineering Drawing

Course No.: **CCE 112** Credit : 0.75 Contact Hours: 1.5 per 3 weeks Total Marks: 100

11.1 Rationale:

Capability of computer aided design and drawing is essential for an engineer in order to be able to design objects using some drawing software.

11.2 Objectives:

Students will

- Understand scaling of drawing different objects.
- Recognize objects from different views
- Design structures using drawing software

11.3 Learning Outcomes	11.4 Course Content	11.5 Teaching- Learning Strategy	11.6 Assessment Strategy
<ul style="list-style-type: none">- Apply scales- Identify views	Introduction, Scale drawing, Sectional views, Isometric views	Lecture Exercise	Quiz Assignment
<ul style="list-style-type: none">- Find out missing lines- Apply auxiliary view and assembly drawing	Missing line, Auxiliary view, Detail and assembly drawing.	Exercise	Assignment
<ul style="list-style-type: none">- Design objects using CAD	Project on Engineering Drawing and CAD using contemporary packages.	Exercise	Quiz Assignment

Books Recommended:

1. Wiley : Mastering AutoCAD 2008 and AutoCAD LT 2008.
2. M. Groover and E. Zimmers : Computer Aided Design and manufacturing.
3. S. Narayanan: CAD/CAM Robotics and Factories of the Future.
4. Tien Chien Chang: Computer Aided Manufacturing.
5. www.blender.org [To perform blender based project in the light of engineering drawing]