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| **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

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| **11.3**  **Learning Outcomes** | **11.4**  **Course Content** | **11.5**  **Teaching- Learning Strategy** | **11.6 Assessment Strategy** |
| * Apply scales * Identify views | Introduction, Scale drawing, Sectional views, Isometric views | **Lecture**  **Exercise** | **Quiz**  **Assignment** |
| * Find out missing lines * Apply auxiliary view and assembly drawing | Missing line, Auxiliary view, Detail and assembly drawing. | **Exercise** | **Assignment** |
| * 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]