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The Department of Mechanical Engineering has established Computer Aided Drafting Lab in June 2014 with licensed software and 60 dell company systems. This lab is providing skills to design the objects in less time.

List of Experiments/ Equipments Available

I. 2D Drafting using Auto CAD or any drafting package

II. 3D Modeling :

1. Modeling of Component in 3D – V block
2. Modeling of Component in 3D – Open Bearing
3. Modeling of Component in 3D – Angular block
4. Modeling of Component in 3D – Dovetail Guide
5. Modeling of Component in 3D – Dovetail Bracket
6. Modeling of Component in 3D – Tool post

Geometric Modeling may be done Using Auto CAD or Pro-E or CATIA or Solid Works or Iron CAD

III. Assembly Modeling:

1. Assembly of a screw jack parts
2. Assembly of a knuckle joint
3. Assembly of a Oldham's coupling
4. Assembly of a footstep bearing
5. Assembly of a stuffing box
6. Assembly of a square tool post

IV. Machining of Simple Components on CNC Lathe and CNC Milling Machine.

Softwares:

- **AUTOCAD**
- **CATIA**
- **Solid works**