

COMPUTER AIDED DESIGN LABORATORY



Laboratory	: Computer-Aided Design Laboratory
Laboratory In-charge	: Mr.R.Vijaya Kumar
Technical supporting staff	: Mr.G.Subramani
Area of the laboratory	: 14.6 X9.8 Sq.M

Major Equipment:

Computer Specifications:

• PC NAME	:	LENOVO THINK CENTER
• PROCESSOR	:	INTEL CORE I3
• RAM	:	4 GB DDR – 3
• HARD DISK	:	500 GB
• OPERATION SYSTEM	:	WINDOWS 7 ULTIMATE 64 BIT
• DISPLAY	:	18.5” LED
• MOTHER BOARD	:	INTEL H61 CHIPSET
• MOUSE	:	OPTICAL MOUSE
• TOTAL NO SYSTEM	:	80

Major Experiments:

- Create basic 2D drawing by using modeling software
- Create the parts and assembly of Socket and Spigot joint
- Create the parts and assembly of Gib & Cotter joint
- Create the parts and assembly of Shaft coupling
- Create the parts and assembly of Simple eccentric
- Create the parts and assembly of Knuckle joint
- Create the parts and assembly of Plummer block
- Create the parts and assembly of Screw jack
- Create the parts and assembly of Lathe tailstock
- Create the parts and assembly of Universal joint
- Create the parts and assembly of Machine vice
- Create the parts and assembly of Connecting rod
- Create the parts and assembly of Oldham's Coupling
- Create the parts and assembly of Stuffing box

Software used:

- Auto CAD
- Solid Works
- Pro-E / CREO
- MSC Nastran
- CATIA
- NX CAD / NX CAM