

COMPUTER AIDED DESIGN AND COMPUTER AIDED MANUFACTURING LABORATORY



Laboratory : CAD/CAM Laboratory
Laboratory In-charge : Mr.R.Vijaya Kumar
Technical supporting staff : Mr.G.Subramani
Area of the laboratory : 14.6 X 9.8 Sq.M

Major Equipment:

Computer Specifications:

CONFIGURATION	ACER	HCL	HP
PROCESSOR	Intel core 2 dual	Intel core 2 dual	Intel core i3
RAM	DDR-2 3GB	DDR-2 3GB	DDR-3 4GB
HARD DISK	160 GB	250 MB	500 GB
OS	Windows 7 32 bit	Windows 7 32 bit	Windows 7 64 bit
DISPLAY	17" LCD	18" LCD	21.5" LCD

Major Experiments:

CAD

- 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 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

CAM

- Linear Interpolation
- Linear Interpolation Ii
- Circular Interpolation
- Linear Interpolation and Circular Interpolation
- Drilling Operation.
- Spot Drilling Operation.
- Taper Turning
- Multiple Threading Cycles Using G76
- Multiple Turning
- Grooving Cycle Using G75

Software Used:

- Solid Works
- Pro-E / CREO
- MASTER CAM
- CNC TRAIN