CAD/CAM

List of Experiments:

1. Development of part drawings for various components in the form of orthographic view.
2. Generation of various 3D Models through Protrusion, revolve, shell sweep Creation of various features.
3. Feature based and Boolean based modeling surface and Assembly Modeling. Design simple Components.
4. Stress and deflection analysis of Cantilever beam with end load.
5. Stress and deflection analysis of simply supported beams.
6. Stress and deflection analysis of truss.
7. Stress analysis of an Axi-symmetric component.
8. Stress analysis of a rectangular plate with a circular hole.
9. Steady state heat transfer analysis of plate.
10. To write the manual part program to the given dimensions and execute in CNC Lathe for Step turning using a Canned Cycle.
11. To write the manual part program to the given dimensions and execute in CNC Lathe for taper turning.
12. Write the manual part program to the given dimensions and execute in CNC Lathe for grooving Cycle.