

DEPARTMENT OF MECHANICAL ENGINEERING

17MECC82- MACHINE DRAWING LAB (UG)

LIST OF EXPERIMENTS

Drawing of Machine Elements and simple parts

Selection of Views, additional views for the following machine elements and parts with every drawing proportions.

1. Popular forms of Screw threads, bolts, nuts, stud bolts, tap bolts, set screws.
2. Keys, cotter joints and knuckle joint.
3. Riveted joints for plates
4. Shaft coupling, spigot and socket pipe joint.
5. Journal, pivot and collar and foot step bearings.

Assembly Drawings

Drawings of assembled views for the part drawings of the following using conventions and easy drawing proportions.

1. Engine parts –stuffing boxes, cross heads, Eccentrics, Petrol Engine connecting rod, piston assembly.
2. Other machine parts -Screws jacks, Machine Vices Plummer block, Tailstock.
3. Valves: Steam stop valve, spring loaded safety valve, feed check valve and air cock.



HOD/MECH