



Engineering drawing (2)

Course Code: 35511
Credits: 2
Course Type: Graphics
Prerequisites: Engineering Drawing 1
Course Length: 68 Hours

- Assembly Drawing

Fastening and connecting methods for assembly drawing, Bolts and nuts, products of screws and nuts. Representation of Metric Hexagon bolt head, and nuts, Woodruff keys, Taper pins, light out keys, Heavy duty keys, Riveting Assembly Welding drawings, Welding symbols, Detail drawing, production shop drawings Procedures for making detail drawings and assembly drawings, Sub assembly drawings. dimensioning, surface roughness, limits and Tolerances. Geometric tolerances, gears and shafts, spring, cams

- Descriptive Geometry.

Basic descriptive geometry, plane in space, true length of line, edge view of plane, true surface, point view of line, true size of angle between two surfaces, angle between two intersecting lines, revolution of line, revolution of surface, revolution about horizontal axis, intersections and developments, intersection of two cylinder, cylinder and cone, cone and cone, prism and cylinder, development of cylinder, prism, pyramid, cone, transition pieces, development of transition piece having an approximately developable surface by the method of triangular, approximate development of sphere.

Using Mechanical Desktop as drafting equipment

Part and assembly modeling