

ENGINEERING DRAWING

(Common to all Branches)

Course Code:13ME1103

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Course Educational Objectives

To make the student

- ❖ Familiar with the drawing practices and conventions.
- ❖ Familiar with projections of points, lines, planes and solids
- ❖ Familiar with isometric views

Course Outcomes:

Student will be able to

- ❖ Draw various types of engineering curves
- ❖ Draw orthographic projections of points, lines, planes and solids inclined to one plane or both the planes
- ❖ Draw isometric views of simple solids

LIST OF EXERCISES

1. Introduction to engineering drawing & basics of geometrical construction
2. Construction of parabola, ellipse, hyperbola- general method
3. Cycloid, epicycloids, hypocycloid, involutes of circle and square
4. Projections of points
5. Projections of lines inclined to one plane
6. Projections of lines inclined to both the planes
7. Projections of planes inclined to one plane
8. Projections of planes inclined to both the planes
9. Projections of solids in simple positions

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10. Projections of solids inclined to both the planes
 11. Isometric views

TEXT BOOK:

N.D. Bhatt and V.M. Panchal, “*Engineering Drawing*”, Charotar Publication House, 49th Edition, 2008.

