

## ENGINEERING DRAWING

### (Common to all Branches)

**Course Code: 15ME1102**

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#### Course Outcomes:

At the end of the course, a student will be able to

**CO 1** Draw geometrical constructions, conics, and cycloidal curves

**CO 2** Draw projections of points and lines

**CO 3** Draw projections of planes

**CO 4** Draw projection of solids

**CO 5** Draw isometric views

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

#### TEXT BOOK:

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