

SHANTILAL SHAH ENGINEERING COLLEGE  
MECHANICAL ENGINEERING DEPARTMENT  
SYLLABUS (For REMID SEMESTER TEST) (April 2018) ( 30 Marks)  
SUBJECT: ENGINEERING GRAPHICS (2110013)

➤ For All Branches

**Sr.No. TOPIC DESCRIPTION**

- 01**      **Introduction to Engineering Graphics:** Drawing instruments and accessories, BIS – SP 46. Use of plane scales, Diagonal Scales and Representative Fraction
- 02**      **Engineering Curves:** Classification and application of Engineering Curves, Construction of Conics, Cycloidal Curves, Involutives and Spirals along with normal and tangent to each curve
- 03**      **Projections of Points and Lines:** Introduction to principal planes of projections, Projections of the points located in same quadrant and different quadrants, Projections of line with its inclination to one reference plane and with two reference planes. True length and inclination with the reference planes
- 04**      **Orthographic Projections:** Fundamental of projection along with classification, Projections from the pictorial view of the object on the principal planes for view from front, top and sides using first angle projection method and third angle projection method.
- 05**      **Projections of Planes:** Projections of planes (polygons, circle and ellipse) with its inclination to one reference plane and with two reference planes, Concept of auxiliary plane method for projections of the plane

Sign Of Sub. Coordinator