

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

➤ For Civil, Mech., Prod.

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.

Sign Of Sub. Coordinator