ENGINEERING GRAPHICS

B.Tech. I Year I Sem.

Course Code: ME106ES/ME205ES

Pre-requisites: None

Course objectives:

- To provide basic concepts in engineering drawing.
- To impart knowledge about standard principles of orthographic projection of objects.
- To draw sectional views and pictorial views of solids.

Course Outcomes:

- Preparing working drawings to communicate the ideas and information.
- Read, understand and interpret engineering drawings.

UNIT – I

UNIT- II

UNIT – III
Projections of Regular Solids – Auxiliary Views.

UNIT – IV
Sections or Sectional views of Right Regular Solids – Prism, Cylinder, Pyramid, Cone – Auxiliary views – Sections of Sphere. Development of Surfaces of Right Regular Solids – Prism, Cylinder, Pyramid and Cone

UNIT – V

Text books:

- Engineering Drawing / Basant Agrawal and Mc Agrawal/ Mc Graw Hill
- Engineering Drawing/ M.B. Shah, B.C. Rane / Pearson.

Reference books:

- Engineering Drawing / N.S. Parthasarathy and Vela Murali/ Oxford
- Engineering Drawing N.D. Bhatt / Charotar