

ENGINEERING GRAPHICS & DESIGN LAB**Course Code: BME 123****Credit Units: 01****Total Hours: 20****Course Objective:**

This course will provide students concepts on the drawings of different curves like straight line, parabola, ellipse etc. After completion of this course, students will be able to draw different figures manually and will be capable of using various instruments involved in drawings.

Course Contents:**List of experiments/ demonstrations:**

Exp I: Practice of Letter writing

Exp II: Practice of Scales

Exp III: Practice of Conic Sections

Exp IV: Practice of Projection of Points

Exp V: Practice of Projection of Lines

Exp VI: Practice of Projection of Planes

Exp VII: Practice of Projection of Solids

Exp VIII: Practice of development of Surfaces

Exp IX: Practice of Isometric Projections

Exp X: Practice of Auto-Cad Commands

Laboratory Outcomes:

- Introduction to engineering design and its place in society
- Exposure to the visual aspects of engineering design
- Exposure to engineering graphics standards
- Exposure to solid modeling
- Exposure to computer-aided geometric design
- Exposure to creating working drawings
- Exposure to engineering communication

Examination Scheme:

Components	A	CT	S/V/Q/HA	EE
Weightage (%)	5	15	10	70

CT: Class Test, HA: Home Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance