

2018-19 Onwards (MR-18)	MALLA REDDY ENGINEERING COLLEGE (Autonomous)	B.Tech. I/II Semester		
Code: 80302	ENGINEERING GRAPHICS LAB	L	T	P
Credits: 1	(Common for CE, EEE, ME, ECE, CSE, IT and Min.E)	-	-	2

Course Objective:

To develop student's skill in Computer graphics for communicating the concepts and ideas in Engineering products by using drafting software.

List of Exercises

Any 12 exercises out of fourteen should be done by using drafting software

1. Drafting the basic drawing elements in CAD and regular polygons
2. Developing Regular polygons using CAD Software
3. Drafting projections of points and lines on vertical and horizontal planes
4. Drafting Projections of planes on vertical and horizontal axis
5. Drafting projections of lines inclined to one axis and obtaining true length
6. Drafting projection of planes inclined to one axis and obtaining true length
7. Drafting regular solid objects on HP and VP
8. Drafting projection of Solids inclined to one plane
9. Drafting projection of section solids on HP and VP
10. Drafting projection of inclined section solids on HP and VP
11. Drafting development of surface of regular solid surfaces like cylinder, cone & prism
12. Drafting development surface of sectional solid surfaces
13. Drafting projections of solid objects in first angled projection
14. Drafting solids objects in Isometric view

Course Out comes :

At the end of the course students will be able to

1. Draft basic drawings elements.
2. Draw the projection of points, lines and planes on Cartesian coordinates using drafting software.
3. Draw the projection solids on Cartesian coordinates using drafting software.
4. Develop surfaces of regular solids, sectional solids and solids inclined to one axis using drafting software.
5. Convert and develop the isometric views on to orthographic projections using drafting software.