

Engineering Graphics Laboratory

- Purpose:**
1. To introduce the students to the “Universal Language of Engineers” for effective communication through drafting exercises of geometrical solids.
 2. To enable students to acquire and use engineering drawing skills as a means of accurately and clearly communicating ideas, information, and instructions.
 3. To impart knowledge to students about creating a sheet layout of required dimensions in 2-D and 3-D view.

Courses: Engineering Graphics Laboratory (Drawing Part)

S. No.	Experiment Name	Equipment Used
1	Introduction to Lettering	Mini Drafter, Compass, Ruler, Drawing Board, Board Clips, Eraser, Pencils, Scale, Protractor, Set Squares
2	Plain Scale	
3	Diagonal Scale	
4	Theory of Projections and Projection of points	
5	Orthographic Projections	
6	Projection of Straight Lines Inclined to at least One Reference Planes	
7	Projection of Straight Lines Inclined to Both Reference Planes	
8	Projection of Perpendicular Planes	
9	Projection of Oblique Planes	
10	Projection of Solids with Axis Parallel to at least One Reference Planes	
11	Projection of Solids Inclined to both Reference Planes	
12	Sections of Solids	

