

FIRST YEAR - SEMESTER - I

AC 102 TECHNICAL REPRESENTATION DRAWING-I

(T.R.D. – I)

(L=0,S=7,W=0)

CREDITS = 05

INTERNAL ASSESSMENT/TERMWORK/EXERCISES = 50 **CONTACT HRS/WK = 07**
UNIVERSITY EXAMINATION (DRAWING TEST) = 50

Focus: To develop drawing skills as tools for visualization and representation of design.

Contents: Familiarization with drawing materials and equipment

- Object drawing, lettering
- Point and line, straight and curvilinear lines.
- Principles of plane geometry, scales.
- Orthographic projection of points, lines, planes and solids
- Solid geometry: sections of solids, simple and complex solids.
- Surface development of solids -paper models and drawings.
- Auxiliary projections as extension of orthographic projections. Applications to sections of solids to obtain true shapes of surfaces in section. Development of lateral surfaces in sections working with card and paper models to facilitate visualization.
- Interpenetration of geometric solids and conditions of Intersections.

Method: A series of exercises to be completed in studio.

REFERENCES:

SR.NO.	TITLE	AUTHOR
01.	Engineering Drawing	N.D.Bhatt & V.M.Panchal
02.	Rendering with Pen & Ink	Robert Gill
03.	Visualization Techniques	Richard B.Leinbach
04.	Perspective for the architecture	Georg Schaarwachter