



# INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

भारतीय प्रौद्योगिकी संस्थान तिरुपति

Yerpedu-Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh - 517 619

1.	Title of the course	Engineering Drawing
2.	Course number	EA105M
3.	Structure of credits (L-T-P-C)	2-0-2-3
4.	New course/modification to	Modified with EA101M/ENGINEERING DRAWING
5.	To be offered by	Mechanical Engineering
6.	Prerequisite	None
7.	<b>Course Objective(s):</b> To draw orthographic projections of lines, planes and solids. To draw sections of solids, engineering curves, isometric views and projections. To apply creative skills gained in this course in his/her engineering domain.	
8.	<b>Course Content:</b> Manual drawing: Geometrical constructions, Engineering curves – part I, Projections of points, lines, traces, and planes. Computer-aided drafting: Introduction to software, Projections of right regular solids, Sections of solids, Development of surfaces, Intersection of surfaces, Engineering curves – part II, Orthographic projections, Isometric drawings.	
9.	<b>Textbook(s):</b> 1. Narayana K L and Kannaiah P, Engineering Drawing, 3rd Edition, Scitech Publications (2021)	
10.	<b>Reference(s):</b> 1. Bhatt N D, Engineering Drawing, 54th Edition, Charotar Publication (2023)	