

**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
PROFORMA FOR NEW COURSE**

1.	Title of the Course	Machine Drawing
2.	Course Number	ME3292
3.	Status of the Course	Core
4.	Structure of Credits	0-0-6-4
5.	Offered To	UG
6.	New Course/Modification to	New
7.	To be Offered by	Department of Mechanical Engineering
8.	To take effect from	July 2018
9.	Prerequisite	Nil
10.	Whether approved by the Department	Yes
11.	Course Objective: To familiarize the students in drawing sectional views, fasteners and represent machine elements using conventional representation (AutoCAD software). The student shall also be able to develop solid models, assemblies and production drawings (Creo software).	
12.	Course Content: Sectional views; Fasteners: bolted joints, keyed joints, riveted joints, welded joints, conventional representation; Assembly drawing: introduction to creo, creating solid models; Production drawing: creating assemblies and completing production drawings.	
13.	Text book(s): 1. Narayana K L, Kanniah P and Venkatareddy K, <i>Machine Drawing</i> , 3rd Edition, New age Publishers (2016). 2. Narayana K L, Kanniah P and Venkatareddy K, <i>Production Drawing</i> , 3rd Edition, New age Publishers (2014).	
14.	Reference(s): 1. Bhatt N D, <i>Machine Drawing</i> , 49th Edition, Charotar Publishing House (2013).	