

No	Information of every subject	
1	Unit name:	Design of Machine Elements
2	Code:	ME-41031
3	Classification:	Engineering Subject
4	Credit value:	2.5
5	Semester/ Year Offered:	1/2
6	Pre-requisite:	Machine Drawing Engineering Mechanics Workshop Technology Strength of Materials Theory of Machines Engineering Materials
7	Mode of delivery:	Lecture,Classworks
8	Assessment system and breakdown of marks:	
	Tutorial/Viva	30%
	Mid-term/ final Examination	70%
9	Academic staff teaching unit:	Assistant Lecturer
10	<p>Course outcome of unit:</p> <p>In this course, students will be able</p> <p>Semester I</p> <ul style="list-style-type: none"> -To identify the elements of the design process -To evaluate loading and stress -To determine stress in the gears 	

	<ul style="list-style-type: none"> -To determine shaft parameter -To select the types of bearings -To calculate the miscellaneous components -To design the IC engine parts
11	Synopsis of unit:
12	<p>Topic:</p> <p>Chapter 1 Introduction</p> <p>4 Stresses in Machine Parts</p> <p>28 Spur Gears</p> <p>29 Helical Gears</p> <p>30 BevelGears</p> <p>31 Worn Gears</p> <p>14 Shaft Design</p> <p>13 Key and Couplings</p>
14	<p>Main references:</p> <p>A Textbook of Machine Design(SI Unit)</p>
15	<p>Additional references:</p> <p>R.S.KHURMI,J.K.GUPTA, FIRST MULTICOLOUR EDITION (2005)</p>