Course Number and Name
BME501 - MACHINE DESIGN - I

Course Objective
To understand the principles involved in evaluating the shape and dimensions of a component to satisfy functional and strength requirements.   To learn & use standard practices and standard data of design parameters.

Prerequisites	Co-requisites
ENGINEERING MECHANICS AND DYNAMICS OF MACHINES	Nil

Course Outcomes (COs)	
CO1	Students will learn to design components
CO2	Students will understand how to select a material
CO3	Students will learn to use the design data book
CO4	Students will learn to obtain an optimum design procedure
CO5	Students will understand various concepts in design
CO6	Students will learn to fabricate/do research using their knowledge attained

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	L		H				M					
CO2		H	H				M					
CO3							M	H				
CO4									H	H		
CO5							M			H	H	
CO6							M					L