

Course Number and Name													
BME003 - MECHANICAL VIBRATIONS													
Course Objective													
The student will be able to understand the sources of vibration and noise in automobiles and make design modifications to reduce the vibration and noise and improve the life of the components													
Prerequisites							Co-requisites						
KINEMATICS OF MACHINES ,DYNAMICS OF MACHINES													
Course Outcomes (COs)													
CO1	Understand in detail about principles of vibration												
CO2	Will able to understand undamped free vibration												
CO3	Will understand in detail about transient vibration												
CO4	Will update the knowledge in multi degrees of freedom												
CO5	Understand the different vibration absorber												
CO6	Study about vibrometers												
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	H							M			L		
CO2	H		H				M	H	H		L	L	
CO3	H		H	H	M		M			L	L		
CO4	H				M		M		M		L	L	
CO5	H				M							L	
CO6	H					M	H	M				L	