Course Number and Name	
BME401 – DYNAMICS OF MACHINES	

Course Objective	
To understand the method of static force analysis and dynamic force analysis of mechanisms	
To study the undesirable effects of unbalances in rotors and engines.	

Prerequisites	Co-requisites
Mathematics I & II	Nil

Course Outcomes (COs)

CO1	Upon completion of this course, the Students can able to predict the force analysis in Mechanisms
CO2	Learn about the mechanical system and related vibration issues.
CO3	Can be able to solve mechanical system problem.
CO4	Understand static and dynamic balancing
CO5	Understand the application of degrees of freedom and vibrations
CO6	Understand critical speed of shafts

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	H			L	L	L	L	L	L	H
CO2	H	M	H			L	L	L	L			H
CO3	H	M	M									
CO4	H	M	H			L	L	L	L			
CO5	H	M	H									H
CO6	H	M	H			L	L	L	L			H