

Course Number and Name													
BME304 - FLUID MECHANICS AND MACHINERY													
Course Objective													
OBJECTIVES													
To achieve a understanding of the properties of the fluids. The dynamics of fluids is introduced through the control volume approach which gives an integrated understanding of the transport of mass, momentum and energy.													
The applications of the conservation laws to flow through pipes and hydraulics.													
Prerequisites							Co-requisites						
MATHEMATICS I & II							Nil						
Course Outcomes (COs)													
CO1	Upon completion of this course, the students can able to apply mathematical knowledge to predict the properties and characteristics of a fluid												
CO2	Can critically analyse the performance of pumps and turbines												
CO3	Can understand different types of flow.												
CO4	Learn Fluid Dynamics												
CO5	Learn fluid kinematics												
CO6	Understand dimensional analysis												
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	H	L					M	M		H	H
	CO2	H	H	L					M	M		H	H
	CO3	H	H	L					M	M		H	H
	CO4	H	H	L					M	M		H	H
	CO5	H	H	L					M	M		H	H
	CO6	H	H	L					M	M		H	H