Course Number and Name
BME402 - THERMAL ENGINEERING - I

Course Objective
To integrate the concepts, laws and methodologies from the first course in thermo dynamics into analysis of cyclic processes To apply the thermodynamic concepts into various thermal application like IC engines, Steam Turbines, Compressors and Refrigeration and Air conditioning systems

Prerequisites	Co-requisites
Thermodynamics	Nil

Course Outcomes (COs)	
CO1	Upon completion of this course, the students can able to apply the different gas power cycles
CO2	Use of them in IC and R&AC applications.
CO3	Study of Steam Turbines
CO4	Study of vapour power cycles
CO5	Study of rankine power cycles and its application
CO6	Understand the concept of refrigeration and its application

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