Course No.	Course Name	L-T-P-Credits	Year of Introduction
ME232	THERMAL ENGINEERING LABORATORY	0-0-3-1	2016
Prerequisite : Sho	ould have registered for ME204 Thermal	l Engineering	
Course Objectives		* * * * * * *	
2. To conduct the	various types IC engines and their parts ne performance test on IC engines, comp e equipment used for measuring viscosit roducts		nd Calorific value of
Syllabus	UNIVER'	VI Y	
List of experiments		24 k k	
Study of I.C engine			
/	ngines - all systems and parts		
	ngines - all systems and parts		
Experiments		1 (0 1 10	
	n of flash and fire points of petroleum pr		point apparatus
	n of viscosity of lubricating oil- viscome n of calorific value of solid and liquid f		
	n of calorific value of and gaseous fuels		
	test on petrol engines with various types		
	test on Diesel engines with various types		
	test on petrol/Diesel engines	es of fouring systems	
8. Cooling curv			
	diagram of IC engines		
	eed test on IC engines		
11. Retardation t	est on IC engines		
12. Determinatio	n volumetric efficiency and Air-fuel rati	io of IC engines	
13. Morse test or			
	test on reciprocating compressor		
	test on rotary compressor/blower		
	y profile in a pipe flow using Prandtl -P		
•	utomobile exhaust gas and flue gas using	g exhaust gas analyser	
lote: 12 experiments		rill he able to	
-	: At the end of the course the students w		
	e efficiency and plot the characteristic construction pressors and blowers	urves of different types	of Internal Combustion
	eriments for the determination of viscosi		