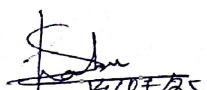



Discipline: Mechanical Engineering	Semester : 3 rd Semester 2025-2026 Dt- 15/07/2025 To 15/11/2025	Name of the Teaching faculty: Thermal - engg. Lab-I Smt. Swagatika Babu(Sr. Lect Mech engg.)
Subject : Thermal Engg Lab	No. of Days/Week Class Allotted: 60	
Week	Class Day	Practical Topics
1 st	1 st	Introduction to Flash & Fire point
	2 nd	Flash & Fire point tests using Able's/Cleveland/Pensky Martin Apparatus
2 nd	1 st	Continue.
	2 nd	Viscosity measurement usi/Saybolt viscometer
3 rd	1 st	continue
	2 nd	Calorific value tests using Bomb Calorimeter (Solid and Liquid fuels)
4 th	1 st	continue
	2 nd	Junkers Gas Calorimeter (Gaseous fuels)
5 th	1 st	continue
	2 nd	Introductionn to Carbon residue .
6 th	1 st	Carbon residue test using Conradson's apparatus.
	2 nd	continue
7 th	1 st	Assembling and disassembling of I.C. Engines
	2 nd	continue
8 th	1 st	continue
	2 nd	continue
9 th	1 st	continue
	2 nd	Port timing diagram of Petrol engine
10 th	1 st	Continue.
	2 nd	Port timing diagram of Diesel engine
11 th	1 st	Continue.
	2 nd	Valve timing diagram of Petrol engine

12 th	1 st	Continue.
	2 nd	Valve timing diagram of Diesel engine
13 th	1 st	Continue.
	2 nd	Study of petrol engine components and Models
14 th	1 st	Continue.
	2 nd	Study of diesel engine components and Models
15 th	1 st	Continue.
	2 nd	Revision & practice
16 th	1 st	Revision & practice
	2 nd	Revision & practice
17 th	1 st	Revision & practice
	2 nd	Revision & practice
18 th	1 st	Revision & practice
	2 nd	Revision & practice


 SIGNATURE OF THE FACULTY


 SIGNATURE OF H.O.D.