

## I.C. ENGINES LAB(ME-421L)

Pre-requisite: None

Credit Hours: 01

Contact Hours: 48

### RECOMMENDED BOOK(S)

I.C Engines Lab Manual

### COURSE OBJECTIVES

To learn fundamentals of I.C Engines and basic terminologies.

To learn automobiles systems and technologies.

S. No.	CLO/PLOS MAPPING	DOMAIN	PLO
1	<b>Analyze</b> the variation in mixture of air and fuel and its resultant impact on efficiency of combustion process	C4	04
2	<b>Analyze</b> PV diagram as generated by varying the torque and rpm of diesel and petrol engine apparatus.	C4	04

### COURSE CONTENTS

[Study of two stroke petrol engine.](#)

[Study](#) Of four stroke petrol engine.

[Difference](#) b/w two stroke & four stroke engine.

[Ignition](#) system of four stroke petrol engine.

[Fuel](#) system of four stroke petrol engine.

[Lubrication](#) system of four stroke petrol engine.

[Cooling](#) system of four stroke petrol engine.

[Air](#) intake & exhaust system of four stroke petrol engine.

[Study of four stroke diesel engine.](#)

Fuel injection system of four stroke diesel engine.

Lubrication system of four stroke diesel engine.

Cooling system of four stroke diesel engine.

Air intake and exhaust System of four stroke diesel engine.

Study of turbo charger.

Understanding of Valve timing.