

Department of Mechanical Engineering

Internal Combustion engine Laboratory

❖ Objective :-

- The main objective of this lab is to develop and understand the basics of IC engine performance.
- To understand the difference between two stroke and four stroke engine & Diesel, petrol engine.
- Along with that one of the interests of this lab is to determine the speed, load, Fuel flow rate & break thermal efficiency.



❖ List of experiments:

- Heat balance sheet of single cylinder 4-5 petrol engine.
- Effect of oil fuel ratio on 2-5 single cylinder petrol engine.
- Study of ignition system.
- Study of 2-5 & 4-5 petrol engine & carburetor.
- Morse test.
- Williams lane method

❖ **List of Equipment:**

- Two-stroke petrol engine.
- Four-stroke petrol engine.
- Fuel injection system.
- Carburetor.
- Two-stroke diesel system.
- Four-stroke diesel system.