LIST OF EXPERIMENTS
1. Disassembly and Assembly of Engines
2. Study and drawing of engine components with dimensions.
3. Experimental Study of S.I. Engine with alternative fuels.
4. Experimental Study on C.I. Engines with alternative fuels.
8. Determination of Flash and Fire point of various fuel blends.
9. Determination of viscosity of various fuel blends

LABORATORY REQUIREMENTS
1. S.I Engine Components
2. C.I Engine Components
3. Single/ Multi-cylinder S.I. Engines
4. Single/ Multi-cylinder C.I. Engines
5. Exhaust Gas Analyser (To measure HC, CO, NOx, O2, CO2)
6. Smoke Meter
7. Pressure Transducer
8. Charge Amplifier
9. Data Acquisition System
10. Flash and Fire Point Apparatus
11. Redwood Viscometer

Say bolt Viscometer
Load Test on I.C. Engine (Eddy Current Load)-Pre heating of Air
Load Test on I.C. Engine (Mechanical Load)

Load Test on I.C. Engine (Hydraulic Load)
Load Test on I.C. Engine (Eddy Current Load) with Data
Aqua station

Port Time Diagram
Valve Timing Diagram (Four Stock Engines)

Load Test on I.C. Engine (Single Cylinder Petrol Engine)
Boiler with Turbine

Load Test on I.C. Engine (Eddy Current Load) with Data Aqua station
Load Test on I.C. Engine (Multi Cylinder Petrol Engine)

Flash and Fire Point (Closed Cup)
Load Test on I.C. Engine (Eddy Current Load)-Pre heating of Air and fuel

Red Wood Viscometer