**Introduction**

The test rig is designed to provide self-contained facility for teaching Internal Combustion (spark Ignition) engine principles. The equipment is instrumented so that the following experiments could be performed.

1. Bhp Measurement
2. Ihp Measurement (By Morse Test Arrangement)
3. Fuel Consumption Measurement
4. Air Intake Measurement
5. Measurement Of Heat Rejected To Water Jacket
6. Heat Balance Test