

HEAT ENGINE AND RAC LAB

Name of Lab Incharge I/II: Dr. Prem Singh/ Er. Satwant Singh

Name of Lab Technician : Mr. Balbir Singh

Name of Lab Attendant : Mr. Ruldu Ram

List of Major Equipments/Software:

1. Cochran Boiler
2. Variable Compression Ratio engine
3. Steam Engine
4. Coventry Petrol Engine
5. Reciprocating air compressor
6. Computerized Ice plant trainer
7. Computerized Test rig for vapor compression

Floor Area: 750 m²

Courses Undertaken in the Lab:

1. Applied Thermodynamics Lab (LPCME-105) 3rd Semester
Mechanical Engineering
2. Refrigeration and Air Conditioning Lab (LPCME-112) 6th Semester
Mechanical Engineering
3. Thermal Engineering Lab (LPCPE-102) 3rd Semester
Production Engineering



Figure: View of the Heat Engine Lab



Figure: View of the Refrigeration and Air conditioning Lab