



DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Lab : Thermal Engineering Laboratory

LIST OF EQUIPMENTS

S.NO.	NAME OF THE EQUIPMENT	Qty.
1	ICEngine–2strokeand4strokemodel	1set
2	Apparatus for Flash and Fire Point	1No.
3	4-stroke Diesel Engine with mechanical loading.	1No.
4	4-stroke Diesel Engine with hydraulic loading.	1No.
5	4-stroke Diesel Engine with electrical loading.	1No.
6	Multi-cylinder Petrol Engine	1No.
7	Single cylinder Petrol Engine	1No.
8	Data Acquisition system with any one of the above engines	1No.
9	Steam Boiler with turbine setup	1No.
10	Guarded plate apparatus	1No.
11	Lagged pipe apparatus	1No.
12	Natural convection-vertical cylinder apparatus	1No.
13	Forced convection inside tube apparatus	1No.
14	Composite wall apparatus	1No.
15	Thermal conductivity of insulating powder apparatus	1No.
16	Pin-fin apparatus	1No.
17	Stefan- Boltzmann apparatus	1No.
18	Emissivity measurement apparatus	1No.
19	Parallel/counter flow heat exchanger apparatus	1No.
20	Single/two stage reciprocating air compressor	1No.
21	Refrigeration test rig	1No.
22	Air-conditioning test rig	1No.

EQUIPMENT BEYOND THE ANNA UNIVERSITY SYLLABUS

1	Red Wood Viscometer	1No.
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