

## **THERMAL ENGINEERING LABORATORY II**

Laboratory In-charge : P. Lakshmanan

Technical supporting staff : G. Padmanaban



Thermal Engineering Laboratory II

Area of the Laboratory:  $32\text{m} \times 9.45\text{m} = 302.4 \text{ Sq.m}$

### **Major Equipment:**

- Guarded plate apparatus
- Pin-fin apparatus
- Stefan – Boltzmann constant
- Parallel and Counter flow apparatus

### **Major Experiments:**

- Emissivity measurement
- Thermal conductivity of lagged material.
- Pin-Fin (natural convection)

### **Utilization of the laboratory:**

- For the third year students, for finding the performance of the engine.
- For Design and fabrication lab