







Refrigeration effect of Vapour
Refrigeration (VCR) system
coefficient of performance of Air-
Refrigeration system
Refrigeration effect of Air-
Refrigeration system
various psychrometric properties
the various performance parameters
Refrigeration Tower
the various performance parameters
Refrigerative cooler
the relation between the coefficient
of performance of a Heat Pump and a
Refrigerator.

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AIM
To calculate the value of heat transfer coefficient from
the pin fin for forced convection.

mm X mm
fin = 12
office
delivery
discharge

(temp)
(4+T5) /
in Ter
mbe

- List of Experiments**
1. Measurement of Thermal conductivity of insulating materials by guarded hot plate method.
 2. Electrical Analogy and Heat Transfer through composite wall structure.
 3. Free and forced convection over a flat plate and array of cylinders.
 4. Demonstration of heat transfer in drop-wise and film-wise condensation.
 5. Heat pipe demonstration.
 6. Heat Transfer through fins.
 7. Measurement of Emissive of surface.
 8. Determination of convective heat transfer coefficient in the cooling of lumped capacity systems.

Control panel with digital displays and buttons.

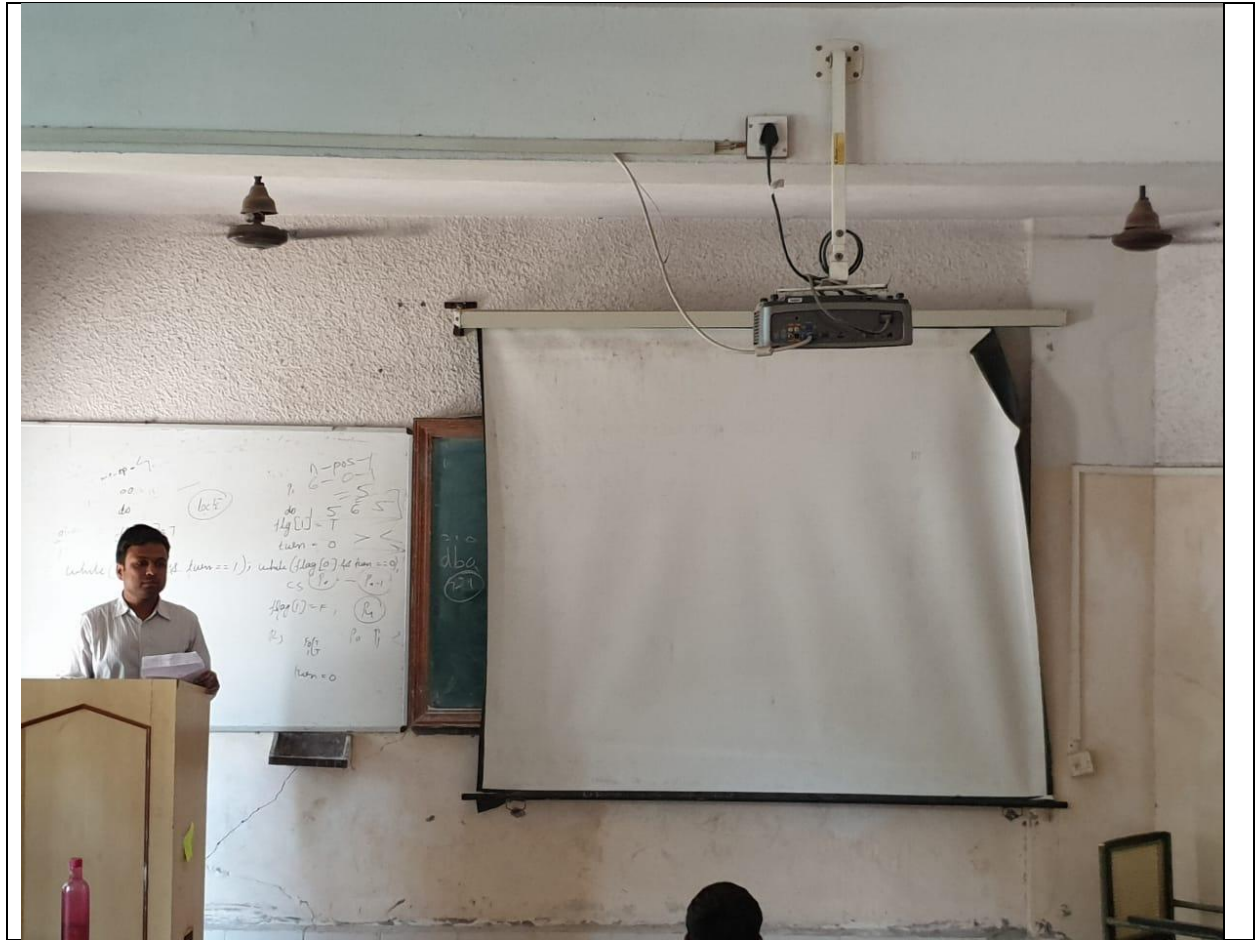












...pp ->
do
while (true) {
 include (if sum == 1); while (flag [0] != sum == 0);
 cs (P) (P+1)
 flag [0] = P;
 P++;
 sum = 0;
}

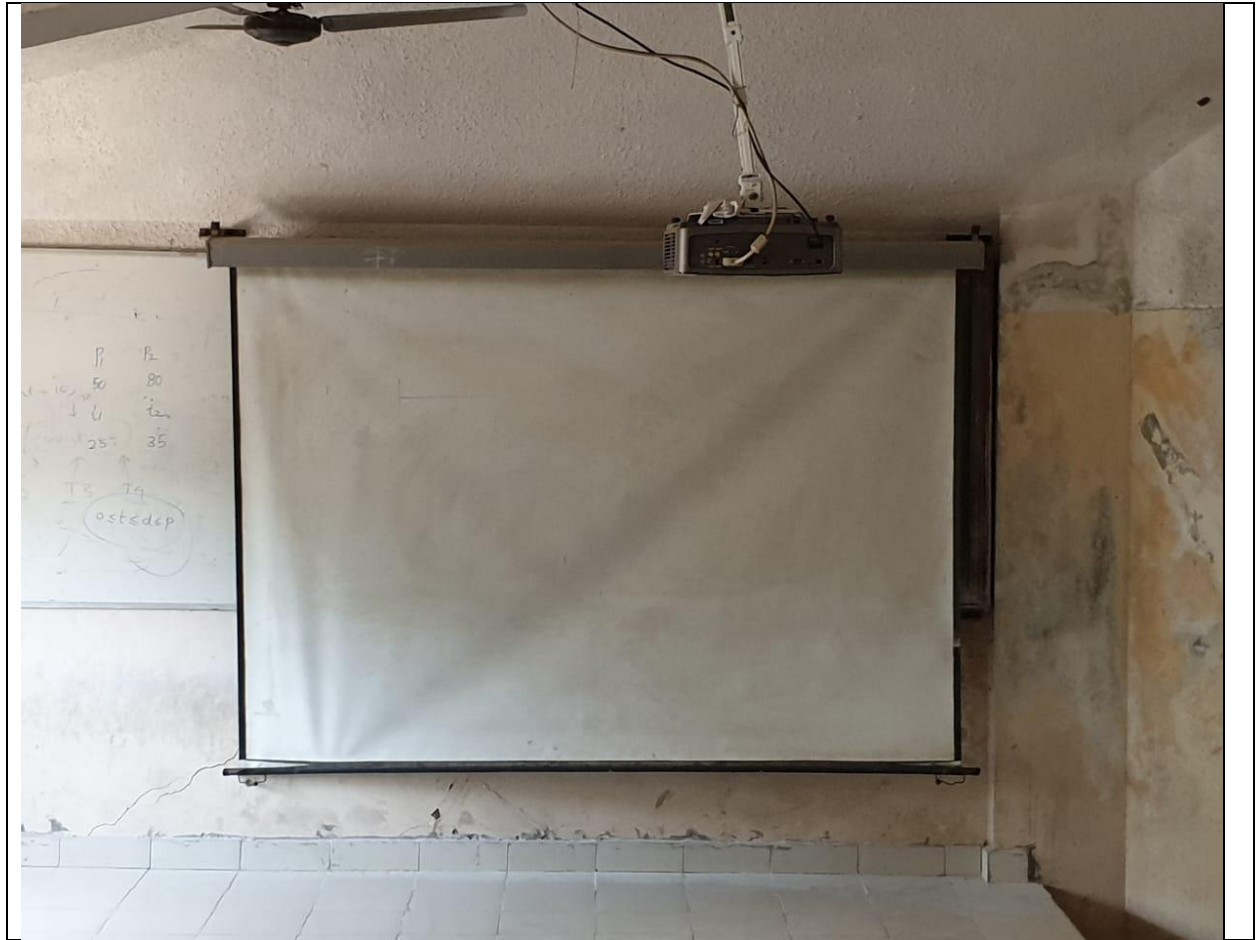
n-pos
0
5 6 5
T
>
dbs
(5)











P1 P2
50 80
↓ ↓
6 12
25 35
T3 T4
ostedep

















circuit using a single phase wattmeter.

8. Determination of efficiency of single phase transformer by direct loading method.
9. To obtain speed control of DC shunts motor.
10. Study of DC generator.



