

REFRIGERATION AND AIR CONDITIONING & CRYOGENICS

Refrigeration and Air Conditioning Lab consists of various setups which illustrates the fundamental principles and applications of RAC systems. The test rigs of vapour Compression, vapour absorption and Air conditioning helps in obtaining cooling capacity and coefficient of performance by conducting tests. Students will be able to understand properties, applications and environmental issues of different refrigerant and also be able to calculate cooling load for air conditioning system

Laboratory has following facilities:

1. Vapour Compression Refrigeration Trainer
2. Vapour Absorption Refrigeration Trainer
3. Air Conditioning Trainer with Psychometric Chamber (i.e. Mini AC Tutor)
4. Mechanical Heat Pump Trainer
5. Ice Plant Trainer