

10 ME 41 P HEAT TRANSFER AND DYNAMICS LAB
IV B.Tech I Semester

(with effect from the academic year 2013-2014)

Periods/week: 3
University Exam :3 Hrs

Credits: 2
Sessional Marks: 40
End Examination Marks: 60

List of Experiments:

1. Test on Conduction in Composite Slab System.
2. Test on Thermal Conductivity of a Metal Rod.
3. Test on Emissivity Measurement Apparatus.
4. Test on Lagged Pipe Apparatus.
5. Test on Stefan-Boltzman Apparatus.
6. Test on Natural Convection Apparatus.
7. Test on Forced Convection Apparatus.
8. Test on Drop-wise Condensation Apparatus.
9. Test on Vapour Compression Refrigeration System.
10. Test on Air-Conditioning Test Rig.
11. Test on Gyroscopic Unit.
12. Test on Balancing of Reciprocating Masses.
13. Test on Critical Speed Analyzer.
14. Test on Vibration Test Rig.
15. Test on Cam Apparatus.
16. Study on Instrumentation
 - (i) Strain Measurement Module.
 - (ii) Torque Measurement Module.
 - (iii) Load Cell.
 - (iv) Pressure Measurement.
17. Calibration of Pressure Gauge.
18. Unsteady state heat conduction