

WITH EFFECT FROM THE ACADEMIC YEAR 2012-2013

**EE 332**

**CONTROL SYSTEMS LAB  
(Common to IE & EEE)**

Instruction	3 Periods per week
Duration of University Examination	3 Hours
University Examination	50Marks
Sessional	25 Marks

**List of Experiments:**

1. Characteristics of D.C. and A.C. Servo motors.
2. Characteristics of Synchro Pair.
3. Frequency response of compensating networks.
4. Step response of second order system.
5. D.C. Position Control System.
6. A.C. position Control System.
7. Closed loop P, PI and PID Controller.
8. Step response and Frequency response of a given plant.
9. Design of lag and lead compensation for the given plant.
10. ON/OFF Temperature Control systems.
11. Temperature control system.
12. Level Control system

**Note: ATLEAST 10 EXPERIMENTS SHOULD BE CONDUCTED IN THE SEMESTER.**