



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Name of the Lab: 17EECC87 – Control Systems Lab

List of Experiments

1. Transfer function of self and separately excited DC Generator.
2. Transfer function of Armature and Field controlled DC Motor.
3. Transfer function of AC Servomotor.
4. Frequency response of Lag, Lead & Lag – Lead networks.
5. Study of Synchros and DC Stepper Motor
6. Transfer function of Ward – Leonard method of speed control of DC motor.
7. Study of DC Position Control system and study of various transducers
8. Study of P, PI and PID Controllers (First Order).
9. Analog and simulation of type – 0 and type – 1 systems
10. Stability analysis of Linear Systems
11. Digital simulation of first order systems
12. Digital simulation of second order systems

HOD/ EEE
Dr. L. Chitra