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Department of Electrical Engineering

Control System Lab

Control System – I

List of Equipments

Sr.No.	Description	Model No	Qty.
1	Study of potentiometer as Error detector	CE-19	1
2	AC servomotor speed torque characteristics measurement unit	CE - 4	1
3	DC tachogenerator	CE - 50	1
4	Analog simulation to study the effect of compensation model	CE - 27	1
5	Temperature control system model	CE - 9A	1

List of Experiments

Sr No	Title of experiments
1	Study of DC Tachogenerator
2	Study of AC servo motor
3	Step response of second order system
4	Step response of second order system
5	Potentiometer as a error detector
6	PID temperature controller

Control System – II

List of Equipments

Sr.No.	Description	Model No	Qty.
1	CE-15 Lead lag compensating network	—	1
2	Response of PID Controller	—	1
3	PLC based programming	—	1
4	CE - 20 PID Simulator using OP- AMPS	—	1
5	CE - 27 Linear system simulator basic Version	— --- —	1

List of Experiments

Sr No	Title of experiments
1	To study Lag compensating network
2	To study Lead compensating network
3	To study lag-lead compensating network
4	To studt PID controller
5	To study linear simulation
6	To study basic logic gate
7	To study ON dealy timer using PLC tainer
8	To study OFF dealy timer using PLC tainer
9	To study counter using PLC trainer

