EE4095D CONTROL SYSTEMS LAB (B. Tech EEE – Semester7)

List of Experiments

Sl. No.	EXPERIMENT
1.	DC MOTOR TRANSFER FUNCTION
2.	TRANSFER FUNCTION OF AN AMPLIDYNE AND LOAD CHARACTERISTICS
3.	a) THE FEEDBACK MS150 MODULAR SERVO SYSTEM - PART I b) THE FEEDBACK MS150 MODULAR SERVO SYSTEM - PART-II
4.	a) LAG COMPENSATOR b) LEAD COMPENSATOR c) LEAD-LAG COMPENSATOR
5.	VOLTAGE REGULATION FOR A DC GENERATOR USING AMPLIDYNE
6.	PENDULUM CONTROL SYSTEM PCS1
7.	SYNCHRO CHARACTERISTICS
8.	TWIN ROTOR MIMO SYSTEM
9.	EXPERIMENTS ON LEVEL PROCESS CONTROL STATION a) STUDY OF ON/OFF CONTROL b) STUDY OF PPROPORTIONAL CONTROL c) STUDY OF PROPORTIONAL + INTEGRAL CONTROL d) STUDY OF PROPORTIONAL + INTEGRAL + DERIVATIVE CONTROL
10.	PROGRAMMABLE LOGIC CONTROLLER a) FAMILIARISATION OF DIGITAL APPLICATIONS USING PLC b) PLC REAL TIME APPLICATION-BOTTLE FILLING SYSTEM c) PLC REAL TIME APPLICATION-DC MOTOR SPEED CONTROL d) WATER LEVEL CONTROLLER USING PLC e) CONVEYOR CONTROL SYSTEM
11.	DYNAMIC SYSTEM SIMULATION USING MATLAB
12.	REAL TIME CONTROL USING dSPACE

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