SECOND YEAR SECOND SEMESTER

Course Code & Title	Course Outcomes
EC401ES&Switching theory & Logic Design.	CO1: Apply number system, Boolen algebra and its applications to design circuits.
	CO2: Minimize and implement Boolen expressions using logic gates.
	CO3: Design combinational circuits using logic gates.
	CO4: Design combinational circuits using concepts of FSM.
	CO5: implement synchronous state machines using flip - flops.
EE402ES&Power Systems - I	CO1: Demonstrate the layout and operation of thermal and nuclear and gas power plants.
	CO2: Demonstrate the layout and operation of Hydro power plan.
	CO3:understand and compare air insulated and gas insulated substations.
	CO4: Describe A.C. and D.C. distribution systems and its voltage drop calculations.
	CO5: Illustrate various economic aspects of the power plant erection, operation and different tariff methods.
	catagiries of conumers.
EE403ES&Electrical Machines – II	CO1: Identify different parts of transformers and induction motors and specify their functions.
	CO2: Understand the operation of transformers and induction motors.
	CO3: Carry out different testing methods and assess the performance of transformers and induction motors.
	CO4: Understand starting methods of three phase induction motor and speed control of induction motors.
	CO5:
EE404ES& Control Systems	CO1: Improve the system performance by selecting a suitable controller and/or a compensator for a specific
	CO2: Apply various time domain and frequency domain techniques to assess the system performance.
	CO3: Apply various control strategies to different applications (example: Power systems, electrical drives etc…)
	CO4: Test system Controllability and Observability using state space representation and applications of state space
	CO5: Design Lead, Lag & Lead-Lag compensators and P, PI, PID controllers to meet the desired specifications,
SM405MS&Business Economics and Financial Analysis.	CO1: understand the various Forms of Business and the impact of economic variables on the Business.
	CO2: Understand Demand, Supply, Pr oduction, Cost, Market Structure, Pricing aspects.
	CO3: study the fi rm's financial position by analysing the Financial Statements of a Company.
	CO4:
	CO5:
	CO1: Evaluate the characteristics of a given AC and DC Servo motor.

EE406ES&Control Systems Lab.	CO2: Analyze the second order system in time domain .
	CO3: Design and analyze feedback control systems.
	CO4:
	CO5:
EE407ES&Electrical Machines Lab - II	CO1: Assess the performance of different machines using different testing methods
	CO2: 2. To convert the Phase from three phase to two phase and vice versa
	CO3: Compensate the changes in terminal voltages of synchronous generator after estimating the change by
	CO4: Control the active and reactive power flows in synchronous machines
	CO5:
EE408ES&Electronic Circuits Lab.	CO1: Apply the concepts of amplifiers in the design of Public Addressing .
	CO2: Understand System Generate Sinusoidal wave forms.
	CO3: Design stable system using feedback concepts.
	CO4: Design multi vibrator using transistor.
	CO5:
*MC400HS&Gender Sensitization Lab	CO1: developed a better understanding of imp rtant issues related to gender in contemporary India.
	CO2: understand sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of
	CO3: acquire insight into the gendered division of labour and its relation to politics and economics.
	CO4: Men and women students and professionals will be better equipped to work and live together as equals.
	CO5: develop a sense of appreciation of women in all walks of life.