

## THIRD YEAR SECOND SEMESTER

Course Code & Title	Course Outcomes
<b>EE601PC&amp;Power Systems Analysis</b>	CO1: Analyze the steady state operation of power system.
	CO2: categorize various types of buses in power system..
	CO3: Analyze the various faults occurring on power systems.
	CO4: Analyze the power system stability problem.
	CO5:
<b>EE602PC&amp;Power Electronics</b>	CO1: Outline basic operation of various power semiconductor devices.
	CO2: Evaluate the performance of power converters.
	CO3: Design protection and control circuits for various converters.
	CO4: Design different power electronic converters for engineering practices.
	CO5: Develop the novel control methodologies for better performance.
<b>EE603PC&amp;Switch Gear and Protection</b>	CO1: Understand the types of Circuit breakers and choice of Relays for appropriate protection of power system equipment.
	CO2: Understand various types of Protective devices in Electrical Power Systems.
	CO3: Interpret the existing transmission voltage levels and various means to protect the system against over voltages.
	CO4: Understand the importance of Neutral Grounding, Effects of Ungrounded Neutral grounding on system performance, Methods and Practices.
	CO5: Design relevant protection schemes for the main elements of power systems.
	CO1:
	CO2:
	CO3:
	CO4:
	CO5:
	CO1:
	CO2:
	CO3:
	CO4:

	<b>CO5:</b>
<b>EE604PC&amp;Power Systems Lab</b>	<b>CO1: Apply software packages like MATLAB/SIMULINK for power systems.</b>
	<b>CO2: Interpret positive, negative and zero sequence systems and fault analysis.</b>
	<b>CO3: Determine power flow solutions by using different methods.</b>
	<b>CO4: Analyze the experimental data and draw the conclusions.</b>
	<b>CO5: Analyze the performance of transmission lines.</b>
<b>EE605PC&amp;Power Electronics Lab</b>	<b>CO1: Examine the characteristics of Power electronic devices.</b>
	<b>CO2: Simulate and analyze the performance of power converters.</b>
	<b>CO3: Choose an appropriate power converter and control technique.</b>
	<b>CO4: Analyze and choose the appropriate converters for various applications.</b>
	<b>CO5: Use power electronic simulation packages&amp; hardware to develop the power converters.</b>
<b>EN606HS&amp;Advanced English Communication Skills Lab</b>	<b>CO1: Withstand the global competition in the job market with proficiency in english communication.</b>
	<b>CO2: Articulate English with good pronunciation.</b>
	<b>CO3: Face Interviews and skillfully manage through group discussions.</b>
	<b>CO4: Communicate confidently in formal and informal contexts.</b>
	<b>CO5:</b>