FOURTH YEAR SECOND SEMESTER

Course Code &	
Title	Course Outcomes
	CO1: Identify significance of DC over AC transmission system, types and application
	of HVDC links in practical power systems.
	CO2: Identify and analyse converter configurations used in hvdc and list the
	performance matrices.
	CO3: Understand controllers for controlling the power flow through a dc-link.
A OD 2 2 7 PELINID A	CO4: Compute the filter parameters for elimination of voltage and current harmonics
A8025/&FUNDA	and Understand the role of impedance control,phase angle control and voltage
MENTALS OF	control in controlling real and reactive power in transmission systems. in hvdc
HVDC AND	system.
FACTS	CO5: Identify configuration of facts controller required for a given application.
	CO1: Understand the basic principles and instruments for measuring solar radiation.
	CO2: Explain the classification of concentrating collectors, storage methods and
	applications.
A 90374 & DENEW	CO2: Identify the courses and notentials of concreting wind and his mass operation
ADI E ENEDCY	CO3. Identify the sources and potentials of generating wind and bio mass energy.
ADLE ENERGI	CO4. Describe the methods of namessing the geothermal and ocean energy.
SUURSES	CO3. Explain the principle of direct energy conversion.
	mechanical aspects
	CO2: Able to compute the breakdown strength of gas filled insulation systems with
	simple appretries
	Simple geometries. CO3: Able to describe the principles for measurement of capacitance and dielectric
A80235&EHV	loss
AC	
TRANSMISSION	CO4: Able to compute phase resolved partial discharge patterns from simple models.
	CO1: Identify the real world power system problems.
	CO2: Analyze, design and implement solution methodologies.
A80087&INDUST	CO3: Apply modern engineering tools for solution.
RY ORIENTED	CO4:Analyze the practical industry oriented problems.
MINI PROJECT	CO5:Develop hardware kits.
	CO1: identify and analyse the real time power system problems.
	CO2: Acquire awareness on latest technology and current trends in the field of power
	systems.
	CO3: Document and present technical reports.
A80089&SEMIN	CO4: Participate in discussions for enhancement of knowledge.
AR	CO5: Adapt professional ethics.
	CO1: Identify the real world power system problems.
	CO2: Analyze, design and implement solution methodologies.
A80088&PROJE	CO3: Apply modern engineering tools for solution.
CT WORK	CO4: write technical reports following professional ethics.
A80090&COMPR	CO1: Apply the concepts of Electrical engineering.
EHENSIVE	CO2: Improve communication skills.