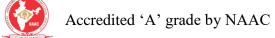
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

COURSE OUTCOMES (CO'S) II SEMESTER

COURSE NAME: Renewable Energy Sources (PE 4126 EE)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PE 4126 EE.1	Understand the basic principle of operation and utilization of power from renewable energy sources	Understand
	Understand the technology of solar power generation.	Understand
	Understand the principles, operation and applications of wind energy.	Understand
PE 4126 EE.4	Understand the principles of generation of energy from ocean.	Understand
PE 4126 EE.5	Analyse the energy generation from biomass.	Analyse

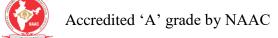
COURSE NAME: Advanced Topic in Power Electronics (PC 4103 EE)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PC 4103 EE.1	Explain about High power devices	Analyze
PC 4103 EE.2	Obtain emulated resistance by using PWM rectifiers.	Applying, understanding
PC 4103 EE.3	Perform state space modeling of DC-DC converters	Analyzing
PC 4103 EE.4	Apply soft switching techniques to DC-DC converters	Applying
PC 4103 EE.5	Explain the operation of Multi-level inverters.	Understand

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COURSE NAME: Power Electronic Converters for Renewable Energy (PE 4116 EE)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
	Understand the application of various	Understand
	components in PV power plant and understand	
	the concepts of MPPT, grid interface and loads.	
PE 4116 EE.2	Design DC-DC converters for solar PV	Evaluate
	applications.	
PE 4116 EE.3	Understand the concepts of grid connected	Understand
	inverters and grid connected issues	
PE 4116 EE.4	Design control schemes for wind energy	Create
	systems	
PE 4116 EE.5	Understand the principle of operation of doubly	Understand
	fed induction generator with rotor side	
	converter topologies	

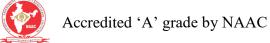
COURSE NAME: INDUSTRIAL SAFETY (OE9105 ME)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
OE 9105 ME.1	Identify the Concepts of engineering systems safety	Understand
OE 9105 ME.2	Identify the causes for industrial accidents and suggest preventive measures	Understand
OE 9105 ME.3	Identify the basic tools and requirements of different maintenance procedures	Understand
OE 9105 ME.4	Apply different techniques to reduce and prevent Wear and corrosion in Industry	Apply
OE 9105 ME.5	Identify different types of faults present in various equipments like machine tools, IC Engines, boilers etc	Understand
OE 9105 ME.6	Apply periodic and preventive maintenance techniques as required for industrial equipments like motors, pumps and air compressors and machine tools etc	Apply

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COURSE NAME: CONSTITUTION OF INDIA AND FUNDAMENTAL RIGHTS (AD 9011 HS)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
AD 9011 HS.1	Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics	Understand
AD 9011 HS.2	Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India	Understand
AD 9011 HS.3	Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution	Understand
AD 9011 HS.4	Discuss the passage of the Hindu Code Bill of 1956	Understand

COURSE NAME: Simulation of Power Electronic Circuits (PC 4162 EE)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
	Analyse various Power Converter circuits using simulation software.	Analyze

COURSE NAME: Simulation of Power Electronic Circuits (PC 4162 EE)

YEAR / SEM: I / II

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
	To control various motors using power electronic converters.	Understand