



# LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE/Affiliated to Osmania University/Estd.2002.



Accredited 'A' grade by NAAC



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Sy.No:32, Himayathsagar, Golconda Post, Near TSPA Junction, Hyderabad-500 091  
Ph: 6309012442/43, Fax: 040-6625 3642, Website: www.lords.ac.in, Email: principal@lords.ac.in

## 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
PE 4126 EE.2	Understand the technology of solar power generation.	Understand
PE 4126 EE.3	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
PE 4116 EE.1	Understand the application of various components in PV power plant and understand the concepts of MPPT, grid interface and loads.	Understand
PE 4116 EE.2	Design DC-DC converters for solar PV applications.	Evaluate
PE 4116 EE.3	Understand the concepts of grid connected inverters and grid connected issues	Understand
PE 4116 EE.4	Design control schemes for wind energy systems	Create
PE 4116 EE.5	Understand the principle of operation of doubly fed induction generator with rotor side converter topologies	Understand

## 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
PC 4162 EE	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
PC 4163 EE	To control various motors using power electronic converters.	Understand