



LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

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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) I SEMESTER

COURSE NAME: Power Electronic Converters and Analysis

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PC 4101 EE1	Understand the characteristics of various power devices and analyse circuits with various loads	Applying
PC 4101 EE2	Design different rectifiers as per the load requirement.	Applying, understanding
PC 4101 EE3	Understand and design various DC-DC converters	Analyzing
PC 4101 EE4	Understand the operation of inverter and various PWM techniques.	Applying
PC 4101 EE5	Understand the operation of different AC-AC converters	Creating

COURSE NAME: Digital Control of Power Electronic Drives

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PC 4102 EE1	Understand the operation of 8051 microcontroller and its applications	Applying
PC 4102 EE2	Understand and apply advanced level 32-bit microcontroller for various applications.	Applying, understanding
PC 4102 EE3	Acquire the knowledge of architecture and operation of DSP	Analyzing
PC 4102 EE4	Understand the operation of TMSLF2407 DSP controller..	Applying
PC 4102 EE5	Apply Microcontroller and DSP for Power Electronics and drives.	Creating



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COURSE NAME: Special Electrical Machines

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PE 4120 EE1	Understand the concepts of stepper motors and its applications.	Applying
PC 4101 EE2	Apply control methods for switched reluctance motors.	Applying, understanding
PC 4101 EE3	Review the fundamental concepts of permanent magnets and the operation of permanent magnet brushless DC motors.	Analyzing
PC 4101 EE4	Introduce the concepts of permanent magnet brushless synchronous motors	Applying
PC 4101 EE5	Understand the basic concepts of linear electrical machines	Creating

COURSE NAME: Power Quality Engineering

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PE 4122 EE1	Describe the different PQ disturbances and state remedies to improve PQ.	Applying
PE 4122 EE2	Determine voltage sag for different network configurations.	Applying, understanding
PE 4122 EE3	Demonstrate the effect of ASD systems on power quality and the effect of voltage sags on operation of various electrical machines.	Analyzing
PE 4122 EE4	Evaluate harmonic levels for distribution systems.	Applying
PE 4122 EE5	Describe power quality monitoring and measuring techniques	Creating



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COURSE NAME: Research Methodology and IPR

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
MC 5161 ME1	Define research problem, review and assess the quality of literature from various sources.	Applying
MC 5161 ME2	Improve the style and format of writing a report for technical paper/ Journal report, understand and develop various research designs.	Applying, understanding
MC 5161 ME3	Collect the data by various methods: observation, interview, questionnaires.	Analyzing
MC 5161 ME4	Analyse problem by statistical techniques: ANOVA, F-test, Chi-square.	Applying
MC 5161 ME5	Understand apply for patent and copyrights.	Creating

COURSE NAME: English for Research Paper Writing

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
AD 9001 HS1	Interpret the nuances of research paper writing.	Applying
AD 9001 HS2	Differentiate the research paper format and citation of sources.	Applying, understanding
AD 9001 HS3	To review the research papers and articles in a scientific manner.	Analyzing
AD 9001 HS4	Avoid plagiarism and be able to develop their writing skills in presenting the research work.	Applying
AD 9001 HS5	Create a research paper and acquire the knowledge of how and where to publish their original research papers.	Creating



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COURSE NAME: Power Electronic Systems Lab – I

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PC 4151 EE1	Understand the characteristics of various semiconductor devices.	Applying
PC 4151 EE2	Analyse various Power Converter circuits with various loads.	Applying, understanding

COURSE NAME: Seminar

YEAR / SEM: I / I

COURSE CODE	COURSE OUTCOMES	BLOOM'S TAXONOMY LEVEL
PC 4154 EE1	Develop the habit of referring the journals for literature review.	Applying
PC 4154 EE2	Understand the gist of the research paper.	Applying, understanding
PC 4154 EE3	Identify the potential for further scope.	Analyzing
PC 4154 EE4	Present the work in an efficient manner.	Applying
PC 4154 EE5	Write the documentation in standard format.	Creating