

Academic Year: 2022-2023

Unique Course Number: ECC501 Course Name: Communication Engineering

CO	Unique	CO
No.	CO No.	(Students will be able to)
1	ECC5011	State various analog modulation methods.
2	ECC5012	Explain various pulse modulation techniques.
3	ECC5013	Evaluate the impact of Inter Symbol Interference in Baseband transmission and 4 methods to mitigate its effect.
4	ECC5014	Compare various Digital modulation methods based on spectral efficiency, Euclidean distance etc.
5	ECC5015	Analyse the characteristics of radio receivers.
6	ECC5016	Design different Encoding and Decoding method used in Digital Communication.



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Unique Course Number: ECC503 Course Name: Software Engineering

Unique	CO
CO No.	(Students will be able to)
ECC5031	Recall various organization and performance matrix of computer system.
ECC5032	Explain design consideration of Processor ,Memory & I/O in Computer systems.
ECC503	Demonstrate the objectives and functions of an Operating system.
ECC5034	Demonstrate the concept of Process management and compare performance of process scheduling algorithms.
ECC5035	Compare advantages and limitations of parallelism in system.



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Unique Course Number: ECC502 Course Name: Computer Organization and Architecture

Unique	CO
CO No.	(Students will be able to)
ECC5021	Recall various organization and performance matrix of computer system.
ECC5022	Explain design consideration of Processor ,Memory & I/O in Computer systems.
ECC5023	Demonstrate the objectives and functions of an Operating system.
ECC5024	Demonstrate the concept of Process management and compare performance of process scheduling algorithms.
ECC5025	Compare advantages and limitations of parallelism in system.



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Unique Course Number: ECC504 Course Name: Software Engineering

Unique	CO
CO No.	(Students will be able to)
ECC5041	Recall HTML5 tags and Cascading Styles sheets
ECC5042	Identify HTML elements and attributes
ECC5043	Apply the concepts of client-side validation and scripts to static web pages using JavaScript and JQuery.
ECC5044	Illustrate responsive web pages using front-end framework Bootstrap.
ECC5045	Design dynamic web pages using server -side scripting.
ECC5046	Develop a web application using appropriate web development framework.



Academic Year: 2022-2023

Unique Course Number: ECL504 Course Name: PCE

Unique	CO
CO No.	(Students will be able to)
ECL504.1	Plan and prepare effective business /technical documents which will in turn provide a solid foundation for their managerial roles.
ECL504.2	Strategize their personal and professional skills to build a professional image and meet the demands of the industry.
ECL504.3	Emerge successful in group discussions, meetings and result - oriented agreeable solutions in group communication situations.
ECL504.4	Deliver persuasive and professional presentations.
ECL504.5	Deliver creative thinking and interpersonal skills required for effective professional communication.
ECL504.6	Apply codes of ethical codes, personal integrity and norms of organizational behavior.

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Unique Course Number: ECCDO501 Course Name: ASIC Verification

	Describe the learner System Verilog concepts for verification
ECCDO5011	
ECCDO5012	Identify Significance of verification in VLSI industry
ECCDO5013	Compare Features of Verilog and System Verilog
ECCDO5014	Identify advanced verification features to solve practical problems
ECCDO5015	Analyze the given problems using Randomization algorithms
ECCDO5016	Design Systems using various algorithms



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Unique Course Number: ECCDO501 Course Name: Information Theory and Coding

ECC DO5011	Comprehend the significance of this quantitative measure of information in the communication systems.
ECC DO501 <b>2</b>	Explain entropy, joint entropy, relative entropy, conditional entropy, and channel capacity of a system.
ECC DO5013	Obtain knowledge in designing various source codes and channel codes.
ECC DO5014	Differentiate between lossy and lossless compression techniques.
ECC DO501 <b>5</b>	Analyze an efficient data compression scheme for a given information source.
ECC DO5016	Apply the concepts of multimedia communication.

Unique Course Number: ECCDO501 Course Name: STQA



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ECCDO5011	Detecting the reason for bugs and analyze the principles in software testing to prevent and remove bugs.
ECCDO5012	Understand various software testing methods and strategies.
ECCDO5013	Design test planning.
ECCDO5014	Manage the test process.
ECCDO5015	Apply the software testing techniques in the commercial environment.
ECCDO5016	Analyze software testing methods and use practical knowledge of a variety of ways to test software and quality attributes



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Unique Course Number: ELM501 Course Name: Minin Project- 2A

Unique	LO
LO No.	(Students will be able to)
ECM 5011	Identify problems based on research needs
ECM 5012	Apply Knowledge and skill to solve societal problems in a group.
ECM 5013	Draw the proper inferences from available results through theoretical/ experimental/simulations.
ECM 5014	Analyze the impact of solutions in societal and environmental context for sustainable development.
ECM 5015	Use standard norms of engineering practices
ECM 5016	Excel in written and oral communication.