

Year	Course Name	Course Outcome No.	Course Outcome
ME I	Research Methodology	CO510101.1	Carry out Literature Survey
		CO510101.2	Identify appropriate topics for research work in computer engineering
		CO510101.3	Select and define appropriate research problem and parameters
		CO510101.4	Design the use of major experimental methods for research
		CO510101.5	Use appropriate tools, techniques, and processes of doing research in Computer science
		CO510101.6	Demonstrate own contribution to the body of knowledge
ME	Bio-Inspired Optimization Algorithms	CO510102.1	Describe the natural phenomena that motivate the algorithms
		CO510102.2	Develop scientific and strategic approach to solve complex problems in the domain of Bio-Inspired Optimization Algorithms.
		CO510102.3	Apply nature-inspired algorithms to optimization
		CO510102.4	Develop the competency to understand the concepts related to Computer Vision and reality.
		CO510102.5	Apply the logic to Solve the generic algorithm.
		CO510102.6	Select the appropriate strategy or optimal solution based on bioinspired algorithms.
ME	Software Development and Version Control	CO510103.1	Select and apply the design patterns to software development.
		CO510103.2	Design software for real engineering Problems.
		CO510103.3	Demonstrate team work for development of software in collaborative environment.
		CO510103.4	Use of open source version control tool.
		CO510103.5	To understand different testing methods for software development
		CO510103.6	To understand software architectures and patterns
ME	Embedded and Real Time operating System	CO510104.1	Recognize and classify embedded and real-time systems.
		CO510104.2	Explain communication bus protocols used for embedded and real-time systems.
		CO510104.3	Classify and exemplify scheduling algorithms.
		CO510104.4	Apply software development process to a given RTOS application.
		CO510104.5	Design a given RTOS based application.
		CO510104.6	Analyze various examples of embedded systems based on ARM processor.

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ME	Network Design and Analysis	CO510105C.1	Apply the knowledge to design computer networks
		CO510105C.2	Analyze the performance of networks based on chosen metrics
		CO510105C.3	Design routing schemes for optimized routing
		CO510105C.4	Choose appropriated and advanced techniques to build the computer networks
		CO510105C.5	Demonstrate different routing algorithm
		CO510105C.6	Illustrate various delay model
ME (Sem II)	Operation Research	CO510108.1	Identify the characteristics of different types of decision-making environments.
		CO510108.2	Use appropriate decision making approaches and tools.
		CO510108.3	Build various dynamic and adaptive models.
		CO510108.4	Develop critical thinking and objective analysis of decision problems.
		CO510108.5	Apply the OR techniques for efficacy.
		CO510108.6	Formulate, analyse, and solve mathematical models that represent real-world problems.



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Year	Course Name	Course Outcome No.	Course Outcome
ME	System Simulation and Modeling	CO510109.1	To apply modeling to understand system behavior
		CO510109.2	To design the simulation scheme for particular system
		CO510109.3	To analyze the modeled and simulated systems
		CO510109.4	To compare the results of simulations confined to real world application
		CO510109.5	Develop a modelling strategy for a real world engineering system.
		CO510109.6	Characterize a given engineering system in terms of its essential elements.
ME	Machine Learning	CO510110.1	To understand Human learning aspects
		CO510110.2	To learn the primitives in learning process by computer
		CO510110.3	To Understand nature of problems solved with Machine Learning
		CO510110.4	To acquaint with the basic concepts and techniques of Machine Learning.
		CO510110.5	To learn the means for categorization of the information
		CO510110.6	To Understand a range of machine learning algorithms along with their strengths and weaknesses.
ME	Network Security	CO610103A.1	Analyse the vulnerabilities in any computing system and hence be able to design a security solution
		CO610103A.2	Identify the security issues in the network and resolve it
		CO610103A.3	Evaluate security mechanisms using rigorous approaches , including theoretical
		CO610103A.4	Compare and contrast different IEEE standards and electronic mail security
		CO610103A.5	To master fundamental of secrete and public cryptography.
		CO610103A.6	To master protocol for security and services.
ME (Sem III)	Fault Tolerant Systems	CO610101.1	Analyse the system for the requirement of fault tolerance
		CO610101.2	Simulate the fault tolerance algorithms
		CO610101.3	Implement diagnosis and recovery of the system
		CO610101.4	Assess the reliability of the system
		CO610101.5	Identify faults and errors from distributed and mobile network
		CO610101.6	Understand and Demonstrate check pointing Techniques in Mobile Networks



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ME	Information Retrieval	CO610102.1	Implement the concept of Information Retrieval
		CO610102.2	Evaluate retrieved information
		CO610102.3	Generate quality information out of retrieved information
		CO610102.4	Apply clustering and classification algorithms to analyze the information
		CO610102.5	Use languages models for information retrieval
		CO610102.6	Analyze retrieved information through classification and clustering searches
ME	Cloud Security (Elective III)	CO610103A.1	Use various services offered for cloud environment
		CO610103A.2	Apply computing security fundamentals confined to cloud environment
		CO610103A.3	Analyze the cloud system for vulnerabilities, threats and attacks
		CO610103A.4	Propose feasible security solution for cloud security
		CO610103A.5	Solve Cloud Computing Life Cycle Issues
		CO610103A.6	Analyze legal issues and responsibilities of Cloud storage Security