

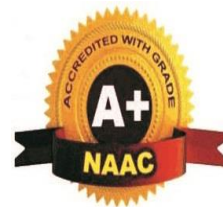


VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(An Autonomous Institution)

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Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301. Phone: 96529 10002/3



Department of Computer Science and Engineering

II B. Tech I Semester

SUBJECT: Discrete Mathematics(25CS301PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand and construct precise mathematical proofs	2
CO2	Apply logic and set theory to formulate precise statements	3
CO3	Analyze and solve counting problems on finite and discrete structures	4
CO4	Describe and manipulate sequences	2
CO5	Apply graph theory in solving computing problems	3

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	-	-	-	2	-	-	-	2	2	-	3
CO2	3	3	3	2	-	-	-	2	-	-	-	3	3	-	3
CO3	3	3	3	3	-	-	-	2	3	-	-	2	3	-	2
CO4	3	3	3	3	-	-	-	2	2	-	-	3	3	-	2
CO5	3	3	3	3	-	-	-	2	2	-	-	2	3	-	2
Average	3	3	2.8	2.6	-	-	-	2	2.3	-	-	2.4	2.8	-	2.4

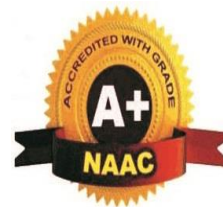


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SUBJECT: Computer Organization and Architecture(25EC302PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand the basics of instruction sets and their impact on processor design.	2
CO2	Demonstrate an understanding of the design of the functional units of a digital computer system.	3
CO3	Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.	5
CO4	Design a pipeline for consistent execution of instructions with minimum hazards.	3
CO5	Recognize and manipulate representations of numbers stored in digital computers	4

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	3	-	-	-	-	-	2	2	2	3	2
CO2	3	3	3	2	2	-	-	-	-	-	2	2	2	3	2
CO3	3	3	3	3	2	-	-	-	-	-	2	2	3	3	2
CO4	3	3	3	3	3	-	-	-	-	-	2	2	3	3	3
CO5	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
Average	3	2.8	2.8	2.6	2.6	-	-	-	-	-	2.2	2	2.6	3	2.2

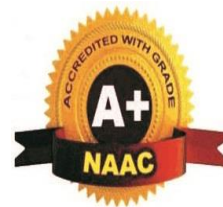


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SUBJECT: Software Engineering(25IT304PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Translate end-user requirements into system and software requirements	1
CO2	Apply UML and structure the requirements in a Software Requirements Document (SRD).	3
CO3	Identify and apply appropriate software architectures and patterns to carry out high level design of a system and be able to critically compare alternative choices.	2
CO4	Understanding of the working knowledge of the techniques for estimation, design, testing and quality management of large software development projects.	4
CO5	Include process models, software requirements, software design, software testing, software process/product metrics, risk management, quality management and UML diagrams	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	-	-	-	-	-	-	2	2	3	2	-
CO2	3	3	3	3	2	-	-	-	-	-	3	3	3	2	-
CO3	3	2	2	3	2	-	-	-	-	-	2	2	3	3	-
CO4	2	2	2	3	2	-	-	-	-	-	3	3	2	3	-
CO5	-	-	-	2	-	-	-	-	-	-	2	2	2	-	-
Average	2.75	2.25	2.25	2.6	2	-	-	-	-	-	2.4	2.4	2.6	2.5	-

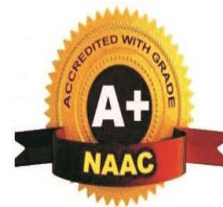


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SUBJECT: Database Management Systems (25CS305PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Gain knowledge of fundamentals of DBMS, database design and normal forms.	2
CO2	Master the basics of SQL for retrieval and management of data.	5
CO3	Be acquainted with the basics of transaction processing and concurrency control.	2
CO4	Familiarity with database storage structures and access techniques	4
CO5	Master the basics of SQL and construct queries using SQL.	3

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	-	1	-	-	-	3	-	-	-	2	2	2
CO2	3	3	3	-	2	-	-	-	3	-	-	-	2	2	2
CO3	3	3	3	-	2	-	-	-	2	-	-	-	3	3	2
CO4	3	3	3	-	3	-	-	-	3	-	-	-	3	3	2
CO5	2	3	3	-	3	-	-	-	3	-	-	-	3	3	2
Average	2.6	2.8	2.8	-	2.2	-	-	-	2.8	-	-	-	2.6	2.6	2

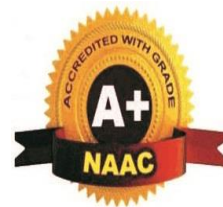


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SUBJECT: Innovation And Entrepreneurship(25MS306BS)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand the entrepreneurship and the entrepreneurial process and its significance in economic development.	2
CO2	Assess the problem from an industry perspective and generate solutions using the design thinking principles.	4
CO3	Assess market competition, estimate market size, and develop a prototype.	3
CO4	Analyze Business and financial planning models and Go-to-Market strategies.	4
CO5	Build a start-up, register IP and identify funding opportunities.	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	-	-	-	-	-	2	-	-	-	3	-	-	-
CO2	-	3	3	2	1	-	-	-	-	-	-	2	1	-	-
CO3	-	3	3	2	2	-	-	-	-	-	-	2	2	-	-
CO4	-	2	2	-	-	-	-	-	-	1	3	2	-	-	1
CO5	-	1	2	-	-	-	-	2	2	2	3	3	-	-	2
Average	1	2.2	2.5	2	1.5	-	-	2	2	1.5	3	2.4	1.5	-	1.5

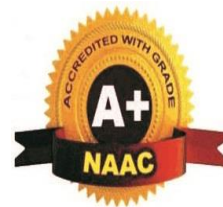


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SUBJECT: Object Oriented Programming Through Java Lab(25CS307PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Write programs for solving real world problems using the java collection framework.	2
CO2	Write programs using abstract classes.	3
CO3	Write multithreaded programs.	4
CO4	Write GUI programs using swing controls in Java	6
CO5	Demonstrate teamwork, debugging, and documentation skills in Java projects	2

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	1	3	-	-	-	2	-	-	-	-	-	-
CO2	3	3	3	2	2	-	-	-	2	-	-	-	3	-	-
CO3	3	3	3	3	2	-	-	-	2	-	-	-	3	3	-
CO4	3	3	3	3	3	-	-	-	3	-	-	-	3	3	-
CO5	3	3	3	3	3	-	-	-	3	-	-	-	3	3	-
Average	3	2.8	2.8	2.4	2.6	-	-	-	2.4	-	-	-	3	3	-

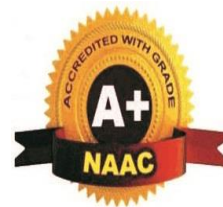


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SUBJECT: Software Engineering Lab(25IT308PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Translate end-user requirements into system and software requirements	3
CO2	Generate a high-level design of the system from the software requirements	4
CO3	Have experience and/or awareness of testing problems and will be able to develop a simple testing report	2
CO4	Develop test cases for unit testing and integration testing	5
CO5	Develop test cases for various white box and black box testing techniques	6

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	3	2	-	-	-	-	3	-	-	-	2	2	-
CO2	3	3	2	2	3	-	-	-	2	-	-	-	3	2	2
CO3	2	-	3	3	3	-	-	-	2	-	-	-	2	2	3
CO4	3	3	3	3	3	-	-	-	2	-	-	-	3	-	3
CO5	2	3	3	3	2	-	-	-	3	-	3	-	2	2	3
Average	2.6	2.75	2.8	2.6	2.75	-	-	-	2.4	-	3.0	-	2.4	2	2.75

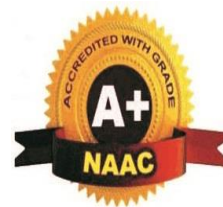


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SUBJECT: Database Management Systems Lab (25CS309PC)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Design database schema for a given application	2
CO2	Design database schema for normalization	3
CO3	Acquire skills in using SQL commands for data definition	4
CO4	Acquire skills in using SQL commands for data manipulation.	2
CO5	Develop solutions for database applications using procedures, cursors and triggers	3

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	-	1	-	-	-	3	-	-	-	2	2	2
CO2	3	3	3	-	2	-	-	-	3	-	-	-	2	2	2
CO3	3	3	3	-	2	-	-	-	2	-	-	-	3	3	2
CO4	3	3	3	-	3	-	-	-	3	-	-	-	3	3	2
CO5	2	3	3	-	3	-	-	-	3	-	-	-	3	3	2
Average	2.6	2.8	2.8	-	2.2	-	-	-	2.8	-	-	-	2.6	2.6	2

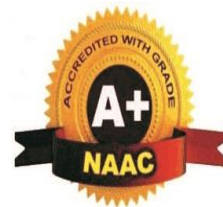


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SUBJECT: NODE JS/REACT JS/DJANGO(25ML310SD)

At the end of the course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
CO1	Build a custom website with HTML, CSS, and Bootstrap and little JavaScript.	3
CO2	Demonstrate Advanced features of JavaScript and learn about JDBC	2
CO3	Develop Server – side implementation using Java technologies	3
CO4	Develop the server – side implementation using Node JS.	3
CO5	Design a Single Page Application using React.	6

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2	2	-	-	3	-	2	2	3	3	2
CO2	3	3	3	3	2	2	-	-	2	-	3	2	3	3	2
CO3	3	3	3	3	2	2	-	-	2	-	3	3	3	3	2
CO4	3	3	3	3	3	2	-	-	2	-	2	3	3	3	2
CO5	3	3	3	3	3	3	-	-	3	-	2	3	3	3	3
Average	3	3	2.8	2.8	2.4	2.2	-	-	2.4	-	2.4	2.6	3	3	2.2

[illegible]