



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

[Sponsored by Lavu Educational Society]

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.)

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



Department of Computer Science and Engineering

IV B. Tech I Semester

SUBJECT: Cryptography and Network Security (CS701PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand classical encryption techniques and modern symmetric key ciphers	2
CO2	Apply public key cryptography and authentication mechanisms	3
CO3	Analyze hash functions, digital signatures, and message authentication codes	4
CO4	Evaluate security protocols for network applications (SSL, IPsec, etc.)	5
CO5	Demonstrate teamwork, documentation, and ethical responsibility in secure system design	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	-	-	-	3	-	3	-	-	-	-	3	2	3
CO2	3	3	2	-	-	3	-	2	-	-	-	-	-	3	2
CO3	3	3	3	-	-	2	-	3	-	-	-	-	3	3	2
CO4	3	3	3	-	-	2	-	2	-	-	-	-	2	-	3
CO5	3	3	3	-	-	2	-	-	-	-	-	-	3	3	3
Average	2.8	2.8	2.75	-	-	2.4	-	2.5	-	-	-	-	2.75	2.75	2.6



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SUBJECT: Data Mining (CS702PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Ability to understand the types of the data to be mined and present a general classification of tasks and primitives to integrate a data mining system.	1
CO2	Apply preprocessing methods for any given raw data.	3
CO3	Extract interesting patterns from large amounts of data and Discover the role played by data mining in various fields	3
CO4	Choose and employ suitable data mining algorithms to build analytical applications	4
CO5	Evaluate the accuracy of supervised and unsupervised models and algorithms	5

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	-	-	3	3	-
CO2	3	3	3	3	3	-	-	-	2	2	2	-	3	3	-
CO3	3	3	3	3	3	-	-	-	3	2	2	-	3	3	-
CO4	3	3	3	3	3	-	-	-	3	3	3	-	3	3	-
CO5	2	2	2	2	2	-	-	-	3	3	3	-	2	2	-
Average	2.8	2.6	2.6	2.6	2.8	-	-	-	2.6	2.4	2.5	-	2.8	2.8	-



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SUBJECT: Cloud Computing (CS714PE)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand cloud computing fundamentals, architecture, and service models	2
CO2	Analyze virtualization technologies and cloud infrastructure	4
CO3	Apply cloud programming models and APIs	3
CO4	Evaluate cloud resource management and scheduling techniques	5
CO5	Demonstrate teamwork, documentation, and ethical responsibility in cloud-based projects	5

MAPPING

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



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SUBJECT: Software Process & Project Management (CS725PE)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand software economics, life cycle phases, and project organization	2
CO2	Analyze milestones, artifacts, and metrics from technical and managerial perspectives	4
CO3	Design and manage software projects using planning and control techniques	3
CO4	Apply risk management, quality assurance, and configuration management practices	3
CO5	Demonstrate teamwork, documentation, and communication in project environments	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	3	2	2	2	2	-	-	2	2	3	2	3	2	-
CO2	2	3	3	2	2	2	-	2	2	2	3	-	3	2	-
CO3	2	3	3	2	2	2	-	3	3		3	2	3	2	3
CO4	2	3	2	3	2	2	-	2	3	3	3	-	3	3	2
CO5	2	3	3	2	3	2	-	2	3	3	3	3	3	2	2
Average	2	3	2.6	2.2	2.2	2	-	2.25	2.6	2.5	3	2.33	3	2.2	2.33



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SUBJECT: Principles Of Entrepreneurship (MT701OE)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand the concept of entrepreneur and entrepreneurship and known's about resource used for preparing a business plan.	2
CO2	Understands the financing and managing of a business enterprise.	2
CO3	Understands financial Institutional assistance and support given to MSME's.	2
CO4	Demonstrate strong conceptual knowledge in the functional area of production and marketing management.	4
CO5	Know about the development and the judicial setup of Labor Laws.	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	1	2	2	2	-	2	-	-	-	2
CO2	2	-	-	-	-	2	2	2	2	-	3	-	-	-	2
CO3	3	-	-	-	-	-	-	-	2	-	2	-	-	-	3
CO4	2	-	-	-	-	-	-	-	2	-	2	-	-	-	2
CO5	2	-	-	-	-	3	2	2	2	-	2	-	-	-	2
Average	2.2	-	-	-	-	2.0	2.0	2.0	2	-	2.2	-	-	-	2.25



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SUBJECT: Cryptography and Network Security Lab(CS703PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Implement classical encryption techniques and symmetric key algorithms	1
CO2	Apply public key cryptography and digital signatures	2
CO3	Use hashing and message authentication codes for integrity and authentication	3
CO4	Analyze secure communication protocols like SSL and IPsec	4
CO5	Demonstrate teamwork, documentation, and ethical responsibility in security projects	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2	3	-	-	-	-	-	-	-	2	3	2
CO2	3	3	3	3	2	-	-	-	-	-	-	-	3	2	3
CO3	3	3	3	3	2	-	-	-	-	-	-	-	-	3	2
CO4	3	3	3	3	3	-	-	-	-	-	-	-	3	-	3
CO5	3	3	3	3	3	-	-	-	-	-	-	-	3	2	3
Average	3	2.8	2.8	2.8	2.6	-	-	-	-	-	-	-	2.75	2.5	2.6



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SUBJECT: Industrial Oriented Mini Project/ Summer Internship (CS704PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Apply theoretical knowledge to solve real-world problems in an industrial environment	3
CO2	Demonstrate technical skills and use of modern tools in a professional setting	2
CO3	Exhibit professional ethics, teamwork, and communication in an industrial environment	3
CO4	Document project outcomes and present findings effectively	4
CO5	Analyze and reflect on the internship experience to identify areas of personal and professional growth	4

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	2	2	-	3	2	3	3	3	3	3	3	3	3
CO2	3	3	3	2	-	2	-	2	3	2	-	2	3	2	2
CO3	3	3	3	2	3	2	2	-	3	2	3	2	3	-	2
CO4	3	3	3	3	3	2	-	2	2	3	3	-	3	3	3
CO5	2	2	2	-	2	3	2	3	3	-	3	3	2	3	3
Average	2.6	2.6	2.6	2.25	2.66	2.4	2	2.5	2.8	2.5	3	2.5	2.8	2.75	2.6



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SUBJECT: Seminar (CS705PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Identify and explore emerging technologies or research topics in computer science	1
CO2	Analyze technical literature and synthesize key findings for presentation	2
CO3	Prepare seminar content using appropriate tools and visual aids	3
CO4	Deliver effective oral presentations and respond to audience queries	4
CO5	Demonstrate professionalism, ethics, and teamwork during seminar activities	5

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	2	2
CO2	3	3	2	-	-	2	-	2	2	2	-	-	2	2	2
CO3	2	2	2	-	-	2	-	3	2	3	-	-	2	2	2
CO4	2	2	2	-	-	2	-	2	2	3	-	-	2	2	-
CO5	2	3	2	-	-	2	-	2	2	3	-	-	2	2	3
Average	2.4	2.6	2	-	-	2	-	2.2	2	2.6	-	-	2.2	2	2.25



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SUBJECT: Project Stage - I (CS706PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Identify and define a real-world problem suitable for project development	1
CO2	Conduct literature survey and feasibility analysis to support project planning	2
CO3	Design system architecture and select appropriate tools and technologies	3
CO4	Work effectively in teams and demonstrate professional ethics and responsibility	4
CO5	Document project objectives, methodology, and expected outcomes clearly and professionally	5

MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	3	2	-	-	2	-	2	2	3	3	2	-
CO2	3	3	3	3	2	-	-	2	-	2	3	2	3	3	-
CO3	3	3	3	2	3	-	-	2	-	2	3	2	-	3	-
CO4	3	3	3	2	3	-	-	2	-	-	3	2	3	-	-
CO5	2	2	2	2	2	-	-	2	3	3	3	2	3	2	-
Average	2.8	2.8	2.6	2.4	2.4	-	-	2	3	2.25	2.8	2.2	3	2.5	-