



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	Apply public key cryptography and authentication mechanisms	3
CO2	Analyze hash functions, digital signatures, and message authentication codes	4
CO3	Evaluate security protocols for network applications (SSL, IPsec, etc.)	5
CO4	Demonstrate teamwork, documentation, and ethical responsibility in secure system design	1
CO5	Apply public key cryptography and authentication mechanisms	3

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

SUBJECT: Compiler Design (CS702PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Understand the structure and phases of a compiler	2
CO2	Apply lexical analysis techniques using finite automata and regular expressions	3
CO3	Implement syntax analysis using top-down and bottom-up parsing methods	3
CO4	Analyze syntax-directed translation and intermediate code generation	4
CO5	Evaluate code optimization and target code generation strategies	5

MAPPING

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SUBJECT: CLOUD COMPUTING (Professional Elective – IV) (CS744PE)

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	1
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	1

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 (PE- V) (CS755PE)

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	1
CO2	Analyze milestones, artifacts, and metrics from technical and managerial perspectives	4
CO3	Design and manage software projects using planning and control techniques	6
CO4	Apply risk management, quality assurance, and configuration management practices	3
CO5	Demonstrate teamwork, documentation, and communication in project environments	1

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 (Open Elective –II) (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.	1
CO2	Understands the financing and managing of a business enterprise.	1
CO3	Understands financial Institutional assistance and support given to MSME's.	1
CO4	Demonstrate strong conceptual knowledge in the functional area of production and marketing management.	2
CO5	Knows about the development and the judicial setup of Labor Laws.	3

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	3
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	1

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

SUBJECT: Compiler Design Lab (CS704PC)

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

S.No.	COURSE OUTCOMES	BT Level
CO1	Design and implement lexical analyzers using Lex	6
CO2	Develop syntax analyzers using Yacc and parsing techniques	6
CO3	Implement LL and LR parsers for grammar analysis	3
CO4	Generate intermediate code and perform syntax-directed translation	6
CO5	Demonstrate teamwork, documentation, and communication in compiler projects	1

MAPPING

[illegible]



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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	2
CO2	Conduct literature survey and feasibility analysis to support project planning	2
CO3	Design system architecture and select appropriate tools and technologies	6
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	-