



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



II B.Tech I semester

SUBJECT: Discrete Mathematics (C201)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C201.1	Understand the foundations of mathematical logic and set theory	2
C201.2	Apply relations and functions to model computational problems	3
C201.3	Use combinatorics and recurrence relations for algorithm analysis	3
C201.4	Analyze graphs and trees for data organization and network modeling	4
C201.5	Apply algebraic structures in designing and understanding computational systems	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C201.1	3	3	2	2				2	-			2	2		3
C201.2	3	3	3	2				2	-			3	3		3
C201.3	3	3	3	3				2	3			2	3		2
C201.4	3	3	3	3				2	2			3	3		2
C201.5	3	3	3	3				2	2			2	3		2
Average	3	3	2.8	2.6								2.4	2.8		



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



SUBJECT: CS302PC: DATA STRUCTURES (C202)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C202.1	Understand basic data structures like arrays, linked lists, stacks, and queues	2
C202.2	Apply operations such as insertion, deletion, and traversal on linear and non-linear structures	3
C202.3	Implement searching, sorting, and hashing techniques for efficient data access	3
C202.4	Design and analyze algorithms for trees and graphs	4
C202.5	Demonstrate problem-solving skills and teamwork through programming assignments and projects	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C202.1	3	2	3	3	2	2			3		3	3	3	3	2
C202.2	2	3	2	3	2	3			2		2	2	3	3	2
C202.3	3	3	2	2	3	2			3		2	3	3	3	2
C202.4	3	3	2	3	3	3			2		2	3	3	3	2
C202.5	2	3	3	3	2	2			2		2	3	2	2	3
Average	2.6	2.8	2.4	2.8	2.4	2.4			2.4		2.2	2.8	2.8	2.8	2.2



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



SUBJECT: Mathematical and Statistical Foundations (C203)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C203.1	Apply the number theory concepts to cryptography domain	3
C203.2	Apply the concepts of probability and distributions to case studies	3
C203.3	Correlate the material of one unit to the material in other units	4
C203.4	Resolve the potential misconceptions and hazards in each topic of study	3
C203.5	Implement statistical algorithms using computational tools and interpret results	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203.1	3	2	2	2								2	2		
C203.2	2	2	3	3								2	2		
C203.3	3	2	2	2								2	3		
C203.4	2	3	2	3								3	3		
C203.5	3	3	3	3									3		
Average	2.6	2.4	2.4	2.6								2.2 5	2.6		



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



SUBJECT: CS304PC: COMPUTER ORGANIZATION AND ARCHITECTURE-C204

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C204.1	Understand the basic structure and operation of digital computers	2
C204.2	Analyze instruction sets and their impact on processor design	4
C204.3	Design and evaluate arithmetic and logic units	6
C204.4	Explore control unit design including microprogramming and hardwired control	2
C204.5	Understand memory organization, I/O systems, and multiprocessor architectures	2

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C204.1	3	2	2	2	3						2	2	2	3	2
C204.2	3	3	3	2	2						2	2	2	3	2
C204.3	3	3	3	3	2						2	2	3	3	2
C204.4	3	3	3	3	3						2	2	3	3	3
C204.5	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



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



SUBJECT: Python Programming (CS311PC)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C205.1	Examine Python syntax and semantics and be fluent in the use of Python flow control and functions	3
C205.2	Demonstrate proficiency in handling Strings and File Systems	3
C205.3	Create, run and manipulate Python Programs using core data structures	6
C205.4	Interpret the concepts of Object-Oriented Programming as used in Python	2
C205.5	Implement exemplary applications related to Network Programming, Web Services and Databases	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C205.1	3	2	2	2	3				3.0	2		2	2	3	
C205.2	3	2	2	2	3				2.0	2		2	2	3	
C205.3	2	3	3	2	3				3.0	2		3	3	3	
C205.4	3	3	3	2	3				3.0	2		2	2	3	
C205.5	3	3	3	3	2				2.0	2		3	2	3	
Average	2.8	2.6	2.6	2.2	2.8				2.6	2		2.4	2.2	3	



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



SUBJECT: Business Economics & Financial Analysis (SM306MS)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C206.1	Understand the structure and types of business organizations and their economic environment	2
C206.2	Analyze demand, supply, production, cost, and market structures	4
C206.3	Evaluate pricing strategies and their impact on business decisions	5
C206.4	Interpret financial statements and assess the financial health of a firm	4
C206.5	Apply capital budgeting and financial analysis techniques for decision-making	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C206.1	1					2		2	2			2			2
C206.2	1					2		2	2			2			2
C206.3	2					1		1	2			2			2
C206.4	2					1		1	2			2			2
C206.5	2					1		1	2			2			2
Average	1.5					1.5		1	2.0			2			2



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



SUBJECT: CS307PC: DATA STRUCTURES LAB

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C207.1	Implement linear data structures such as arrays, stacks, and queues	3
C207.2	Apply linked lists for dynamic memory management and manipulation	3
C207.3	Develop programs using trees and graphs for hierarchical and networked data	6
C207.4	Implement searching, sorting, and hashing techniques for efficient data access	3
C207.5	Demonstrate teamwork, debugging, and documentation skills in lab assignments	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C207.1	3	3	2	2	2	2			3		2	2	3	3	2
C207.2	3	3	3	3	2	2			2		3	2	3	3	2
C207.3	3	3	3	3	2	2			2		3	3	3	3	2
C207.4	3	3	3	3	3	2			2		2	3	3	3	2
C207.5	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



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



SUBJECT: Python Programming Lab (CS312PC)

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C208.1	Understand the basic concepts of scripting and Python contributions	2
C208.2	Ability to explore Python object-oriented concepts and built-in objects	3
C208.3	Ability to create practical applications such as network programming and web applications	6
C208.4	Implement modular programs using functions, modules, and packages to solve computational problems	3
C208.5	Develop programs using file handling, exception handling, and object-oriented programming concepts	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C208.1	3	2	2	2	3					2		2	2		
C208.2	3	3	3	2	3				2.0	2		2	3		
C208.3	3	3	3	3	3					2		2	2	3	
C208.4	3	3	2	2	–								3	3	
C208.5	3	3	3	2	2				3.0	3		3	2	2	
Average	3	2.8	2.6	2.2	2.8				2.5	2.2		2.2	2.4	2.6	



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



SUBJECT: *MC309: GENDER SENSITIZATION LAB

After going through this course, the student will be able to

S.No.	COURSE OUTCOMES	BT Level
C209.1	Develop awareness of gender roles and social constructs	2
C209.2	Understand the impact of gender on personal and professional relationships	2
C209.3	Analyze gender-based discrimination and inequalities in various contexts	4
C209.4	Demonstrate sensitivity and empathy in communication and behavior	3
C209.5	Engage in group discussions and activities promoting gender equality	3

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C209.1						2	2	3		2		3			2
C209.2						2	3	3		2		3			2
C209.3						3	2	3		2		3			3
C209.4						3	2	3		3		3			2
C209.5						3	2	3		3		3			3
Average						2.6	2.2	3		2.4		3			2.4