



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



IV-II Semester

SUBJECT: SM801MS: ORGANIZATIONAL BEHAVIOUR

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

S.No.	COURSE OUTCOMES	BT Level
C410.1	Understand the fundamental concepts of organizational behaviour, individual differences, personality traits, and their impact on workplace performance and decision-making.	3
C410.2	Analyze group dynamics, team formation, leadership styles, and communication patterns to foster effective collaboration in organizational settings.	4
C410.3	Evaluate organizational culture, structure, and change management processes to adapt to evolving business environments and technological advancements.	5
C410.4	Apply motivational theories and conflict resolution techniques to enhance employee satisfaction, productivity, and organizational effectiveness.	3
C410.5	Examine contemporary issues in organizational behaviour including workplace diversity, ethics, emotional intelligence, and work-life balance for sustainable organizational development.	4

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C410.1	3						2	2	2		2				2
C410.2	2					2		2	2		2				2
C410.3							2		2		2				2
C410.4						2		2	2		2				2
C410.5							2		2		2				2
Average	2.5					2	2	2	2		2				2

SUBJECT: Speech and Video Processing (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Understand the fundamentals of speech production and perception, and the representation of speech signals.	3
C411.2	Analyze various techniques for speech signal processing such as feature extraction, speech recognition, and synthesis.	4
C411.3	Apply digital image and video processing techniques to extract meaningful information from video sequences.	3
C411.4	Design and implement algorithms for video compression, enhancement, and motion estimation.	5
C411.5	Evaluate speech and video processing systems in terms of quality, efficiency, and real-world applications.	5

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	2	2	2												
C411.2	2	3	3	3	2										
C411.3	2	3	3	2	3								2	3	
C411.4	2	3	3	3	3								3	2	
C411.5	2	3	3	2	3									3	
Average	2	2.8	2.8	2.5	2.7								2.5	2.6	

SUBJECT: MT802OE: TOTAL QUALITY MANAGEMENT

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

S.No.	COURSE OUTCOMES	BT Level
C412.1	Understand the fundamental concepts of Total Quality Management, quality philosophies of pioneers, and the evolution of quality management systems in organizations.	3
C412.2	Apply statistical process control techniques and quality tools like control charts, Pareto analysis, and cause-and-effect diagrams for process improvement and defect reduction.	3
C412.3	Implement Six Sigma methodology, DMAIC framework, and Lean principles to optimize organizational processes and achieve operational excellence.	4
C412.4	Evaluate quality management standards including ISO 9001, quality auditing procedures, and quality costs to ensure compliance and continuous improvement.	5
C412.5	Analyze the role of leadership, customer focus, and employee involvement in building a quality culture and implementing TQM frameworks for sustainable organizational success.	4

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C412.1	2	2	2												
C412.2	2	3	3	3	2										
C412.3	2	3	3	2	3								2	3	
C412.4	2	3	3	3	3								3	2	
C412.5	2	3	3	2	3									3	
Average	2	2.8	2.8	2.5	2.7								2.5	2.6	



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SUBJECT: CS802PC:Project Stage – II

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

S.No.	COURSE OUTCOMES	BT Level
C413.1	Design and develop a complete software system by applying advanced concepts from multiple domains including algorithms, databases, networks, and software engineering principles.	5
C413.2	Implement the proposed system using appropriate technologies, frameworks, and tools while following industry-standard coding practices and design patterns.	4
C413.3	Evaluate system performance, conduct comprehensive testing (unit, integration, system), and validate the solution against specified requirements and quality standards.	5
C413.4	Document the entire project lifecycle including system architecture, implementation details, testing results, and user manuals following professional documentation standards.	4
C413.5	Demonstrate effective project management, teamwork, and communication skills through presentations, peer collaboration, and stakeholder interactions while adhering to ethical guidelines and timelines.	6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C413.1	3	3	3	2	2	2		2	2	2	3	2	3	3	2
C413.2	3	3	3	3	3	2		3	3	2	3		3	3	2
C413.3	3	3	3	3	3	2	3	3	2	2	2	2	3	3	2
C413.4	2	2	2	2	3	2		2	2	3	2	3	3	2	3
C413.5	2	2	2	3	3	3	2	3	3	3	3		3	2	3
Average	2.6	2.6	2.6	2.6	2.8	2.2	2.5	2.6	2.4	2.4	2.6	2.3	3	2.6	2.4



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SUBJECT: Robotic Process Automation (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Understand the fundamental concepts and architecture of Robotic Process Automation (RPA) and its business relevance.	3
C411.2	Analyze business processes suitable for automation and identify opportunities to improve efficiency using RPA tools.	4
C411.3	Apply RPA tools such as UiPath, Automation Anywhere, or Blue Prism to design and develop automation workflows.	3
C411.4	Evaluate and troubleshoot automation processes to ensure accuracy, scalability, and maintainability.	5
C411.5	Demonstrate the ability to integrate RPA solutions with other enterprise systems and emerging technologies like AI and ML.	6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	3	3	2	2	3	2			2	2	2	2	2	3	2
C411.2	3	3	3	2	3	1			2	2	2	2	2	3	2
C411.3	3	3	3	3	3	2			2	2	2	2	2	3	2
C411.4	3	3	3	3	3	1			2	2	2	2	2	3	2
C411.5	3	3	3	3	3	2			2	2	2	2	2	3	2
Average	3	3	2.8	2.6	3	1.6			2	2	2	2	2	3	2



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SUBJECT: Randomized Algorithms (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Appreciate fundamentals of randomized algorithm design	4
C411.2	Understand fundamentals of Markov chains and Monte Carlo	3
C411.3	Apply high probability analysis to randomized algorithms	3
C411.4	Understand Fingerprinting Techniques and Pattern Matching	3
C411.5	Analyze and design efficient randomized algorithms for real-world applications and evaluate their performance.	4

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	3	3	2	2	2	-	-	-	1	2	-	2	3	2	-
C411.2	3	3	3	3	2	-	-	-	1	2	-	2	3	2	-
C411.3	3	3	3	3	3	-	-	-	2	2	1	2	3	3	-
C411.4	3	3	3	3	3	1	-	-	2	2	1	2	3	3	1
C411.5	3	3	3	3	3	1	-	-	-	2	2	1	2	3	1
Average	15	15	14	14	13	2	0	0	6	10	4	9	14	13	2



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SUBJECT: Randomized Algorithms (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Understand cognitive computing and traditional approaches	3
C411.2	Plan and use primary tools of cognitive computing	3
C411.3	Plan and execute cognitive computing project	4
C411.4	Understand business implications of cognitive computing	3
C411.5	Evaluate and integrate cognitive computing techniques in real-world applications to enhance decision-making and automation.	5

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	3	3	2	2	2	1	1	1	1	2	1	3	3	2	1
C411.2	3	3	3	3	3	1	-	1	2	2	2	3	3	3	1
C411.3	3	3	3	3	3	2	1	1	3	2	3	3	3	3	2
C411.4	2	3	3	2	2	3	2	2	2	3	3	2	2	2	3
C411.5	3	3	3	3	2	3	3	3	1	2	2	3	3	1	1
Average	14	15	14	13	12	10	7	8	9	11	11	14	14	11	8



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SUBJECT: Cognitive Computing (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Understand cognitive computing and traditional approaches	3
C411.2	Plan and use primary tools of cognitive computing	3
C411.3	Plan and execute cognitive computing project	4
C411.4	Understand business implications of cognitive computing	3
C411.5	Evaluate and integrate cognitive computing techniques in real-world applications to enhance decision-making and automation.	5

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	3	3	2	2	2	1	1	1	1	2	1	3	3	2	1
C411.2	3	3	3	3	3	1	-	1	2	2	2	3	3	3	1
C411.3	3	3	3	3	3	2	1	1	3	2	3	3	3	3	2
C411.4	2	3	3	2	2	3	2	2	2	3	3	2	2	2	3
C411.5	3	2	3	3	2	2	3	2	2	2	3	3	2	2	2
Average	2.8	2.8	2.8	2.6	2.4	1.8	1.7 5	1.4	2	2.2	2.4	2.8	2.6	2.4	1.8



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SUBJECT: Semantic Web (PE-VI)

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

S.No.	COURSE OUTCOMES	BT Level
C411.1	Understand characteristics of Semantic Web	3
C411.2	Apply SOAP and UDDI to web services	3
C411.3	Handle multiple web services using Orchestration	4
C411.4	Create documents using XML	6
C411.5	Construct and use Ontologies	6

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C411.1	3		2	2						3		3	2	2	
C411.2	3	3	3	3						2		2	2	3	
C411.3	2	2	3	3								2	2	3	
C411.4	2	3	2	3						2		2	2	3	
C411.5	3	3	3	3						2			3	3	
Average	2.6	2.7 5	2.6	2.8						2.2 5		2.2 5	2.2	2.8	



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SUBJECT: CS813PE: NEURAL NETWORKS & DEEP LEARNING

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

S.No.	COURSE OUTCOMES	BT Level
C401.1	Implement basic neural networks and understand fundamentals	4
C401.2	Build feedback on networks with backpropagation and optimization	6
C401.3	Develop CNN and RNN models for real-world tasks	5
C401.4	Implement frameworks and evaluate model performance	4
C401.5	Design and deploy AI projects with teamwork and responsibility	5

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C401.1	3	2	3						2	2		2	3	3	
C401.2	3	3	3						2	2		2	2	3	
C401.3	3	3	3						2	2		3	3	3	
C401.4	3	3	3						2	3		3	3	3	
C401.5	3	3	3						3	3		3	3	3	
Average	3	2.8	3						2.2	2.4		2.6	2.8	3	