

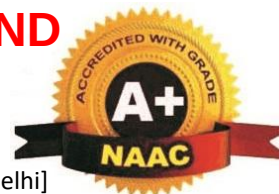


VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(An Autonomous Institution)

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



COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

VR24 – IV B.Tech II Semester : Course Outcomes & CO-PO/PSO Mapping

MS801BS: ORGANIZATIONAL BEHAVIOUR

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand the basic concepts, models, and importance of Organizational Behaviour.	2
CO2	Identify and explain individual behaviour factors such as personality, perception, attitudes, emotions, and motivation.	2
CO3	Understand group behaviour, group dynamics, communication, and team building in organizations.	2
CO4	Explain leadership styles, leadership theories, and sources of power in organizations.	2
CO5	Understand organizational culture, change, stress, and their impact on organizational effectiveness.	2

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	2	-	1	-	1	2	-	-	-
CO2	-	1	-	-	-	2	-	1	-	1	2	-	-	-
CO3	-	1	-	-	-	2	-	1	3	2	2	-	-	-
CO4	-	1	-	-	-	2	-	2	2	2	3	-	-	-
CO5	-	1	-	-	-	3	-	2	1	1	2	-	-	-
Average	-	1.0	-	-	-	2.2	-	1.4	2.0	1.4	2.2	-	-	-

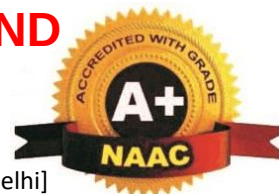


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PROFESSIONAL ELECTIVE – VI

DS861PE: DATA STREAM MINING

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand how to formulate a knowledge extraction problem from data streams.	2
CO2	Ability to apply methods / algorithms to new data stream analysis problems.	3
CO3	Evaluate the results and understand the functioning of the methods studied.	5
CO4	Demonstrate decision tree and adaptive Hoeffding Tree concepts.	3

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	2	2	-	-	-	-	-	-	3	2	2
CO2	3	3	3	2	3	-	-	-	-	-	-	3	3	3
CO3	2	3	2	3	3	-	-	-	-	-	-	3	3	2
CO4	3	3	3	2	3	-	-	-	-	-	-	3	3	3
CO5	2	3	2	3	3	-	-	-	-	-	-	3	3	3
Average	2.6	2.8	2.2	2.4	2.8	-	-	-	-	-	-	3.0	2.8	2.6

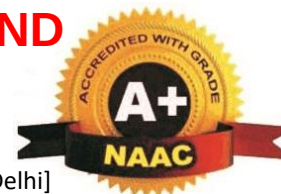


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PROFESSIONAL ELECTIVE –VI

DS862PE: WEB SECURITY

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand web architecture, web security issues, risk analysis, and cryptographic fundamentals.	2
CO2	Understand client-side and server-side security mechanisms and privacy-protection techniques.	2
CO3	Identify common web application mistakes and explain how they can be exploited.	4
CO4	Apply database security techniques including access control, trust management, and data warehouse security.	3
CO5	Analyze advanced and emerging trends in web and database security and privacy.	4

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	1	2	-	-	2	-	-	-	3	2	2
CO2	3	2	2	2	2	-	-	2	-	-	-	3	3	2
CO3	2	3	2	3	2	-	-	2	-	-	-	3	3	2
CO4	2	3	3	2	3	-	-	2	-	-	-	3	3	3
CO5	2	3	2	3	3	-	-	3	-	-	-	3	3	3
Average	2.4	2.6	2.0	2.2	2.4	-	-	2.2	-	-	-	3.0	2.8	2.4

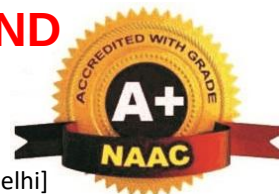


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PROFESSIONAL ELECTIVE –VI

DS863PE: VIDEO ANALYTICS

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand the basics of video- signals and systems.	2
CO2	Estimate motion in a video	3
CO3	Detect the objects and track them	3
CO4	Recognize activity and analyze behavior	4
CO5	Evaluate face recognition technologies	5

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	1	2	-	-	-	-	-	-	3	2	2
CO2	3	3	2	2	3	-	-	-	-	-	-	3	3	2
CO3	3	3	3	2	3	-	-	-	-	-	-	3	3	3
CO4	2	3	2	3	3	-	-	-	-	-	-	3	3	3
CO5	2	3	2	3	3	-	-	1	-	-	-	3	3	3
Average	2.6	2.8	2.0	2.2	2.8	-	-	1.0	-	-	-	3.0	2.8	2.6

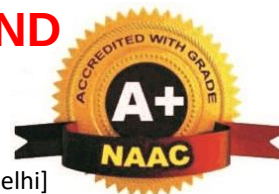


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PROFESSIONAL ELECTIVE –VI

DS864PE: BLOCKCHAIN TECHNOLOGY

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand blockchain fundamentals and cryptocurrency concepts.	2
CO2	Apply smart contracts in decentralized applications.	3
CO3	Differentiate public, private, and consortium blockchain frameworks.	4
CO4	Analyze security, privacy, and scalability issues in blockchain systems.	4
CO5	Develop blockchain applications using Python and Hyperledger Fabric.	6

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	1	2	-	-	-	-	-	-	3	2	2
CO2	3	3	3	2	3	-	-	-	-	-	-	3	3	3
CO3	3	3	2	2	3	-	-	-	-	-	-	3	3	2
CO4	2	3	2	3	3	-	-	2	-	-	-	3	3	3
CO5	3	3	3	3	3	-	-	1	-	-	-	3	3	3
Average	2.8	2.8	2.2	2.2	2.8	-	-	1.5	-	-	-	3.0	2.8	2.6

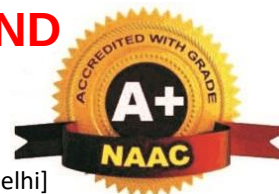


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PROFESSIONAL ELECTIVE –VI

DS865PE: PARALLEL AND DISTRIBUTED COMPUTING

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Explore the methodologies adopted for parallel and distributed environments	2
CO2	Analyze the networking aspects of Distributed and Parallel Computing.	4
CO3	Tools usage for parallel and distributed computing.	3
CO4	Explore the different performance issues and tasks in parallel and distributed computing	4
CO5	Understand high performance computing techniques.	2

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	1	2	-	-	-	-	-	-	3	2	2
CO2	3	3	2	3	2	-	-	-	-	-	-	3	3	2
CO3	2	2	2	2	3	-	-	-	-	-	-	3	3	2
CO4	2	3	2	3	3	-	-	-	-	-	-	3	3	3
CO5	3	3	2	2	3	-	-	-	-	-	-	3	3	3
Average	2.6	2.6	1.8	2.2	2.6	-	-	-	-	-	-	3.0	2.8	2.4

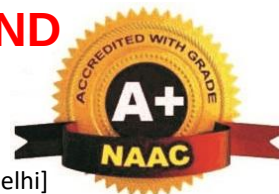


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Open Elective –III

DS831OE: INTRODUCTION TO SOCIAL MEDIA MINING

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Understand social media and its data.	2
CO2	Apply mining technologies on twitter, Facebook, LinkedIn and Google.	3
CO3	Learn about community	2
CO4	Apply various Recommendation Algorithms	3
CO5	Analyze the Behavior of people.	4

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	2	2	2	-	-	-	-	-	2	3	2
CO2	3	3	2	3	3	2	-	-	-	-	-	2	3	3
CO3	2	2	1	2	2	2	-	-	2	-	-	2	2	2
CO4	3	3	2	2	3	1	-	-	-	-	-	2	3	3
CO5	2	3	1	3	2	2	-	-	2	-	-	2	3	2
Average	2.6	2.6	1.4	2.4	2.4	1.8	-	-	1.3	-	-	2.0	2.8	2.4

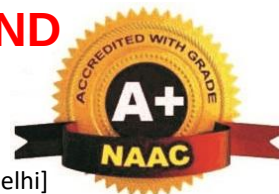


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Open Elective –III

DS832OE: DATA VISUALIZATION USING PYTHON

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

CO. No.	COURSE OUTCOMES	BT Level
CO1	Perform data wrangling	3
CO2	Explain principles of visual perception	2
CO3	Apply core skills for visual analysis	3
CO4	Apply visualization techniques for various data analysis tasks	3
CO5	Evaluate visualization techniques	5

MAPPING:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	1	2	3	-	-	-	-	-	-	2	3	2
CO2	3	2	1	2	2	-	-	-	-	-	-	2	2	2
CO3	3	3	2	3	3	-	-	-	-	-	-	2	3	3
CO4	3	3	2	3	3	-	-	-	-	-	-	2	3	3
CO5	2	3	2	3	2	-	-	-	-	-	-	2	3	2
Average	2.8	2.6	1.6	2.6	2.6	-	-	-	-	-	-	2.0	2.8	2.4