## SVKM's NMIMS Deemed-to-be University Mukesh Patel School of Technology Management and Engineering

				ogramme (Batch 2023-27)	
		mme: First	Year (Aca	demic Year 2023-27)	
C No	Semester - I	Cuadita	C No	Semester - II	Cuadita
S. No.	Course	Credits	S. No.	Course	Credits
1	Calculus	4	1	Linear Algebra and Differential Equations	4
2	Physics	4	2	Quantum and Statistical Physics	3
3	Elements of Biology	3	3	English Communication	1
4	Programming for Problem Solving	4	4	Basic Electrical and Electronics Engineering	3
5	Engineering Graphics and Design	3	5	Digital Manufacturing Laboratory	1
6	Professional Ethics	1	6	Electrical and Electronics Workshop	1
7	Constitution of India	0	7	Principles of Economics and Management	3
8	Critical Thinking	0	8	Python For Data Analysis	2
- 0	Citical Tilliking	U	9	Environmental Science	2
			10	Design Thinking	0
	Total	19	10	Total	20
	I .		l Voor (Ac	rademic Year 2024-25)	20
	Semester - III	nie. Second	l Teal (Ac	Semester - IV	
S. No.	Course	Credits	S. No.	Course	Credits
1	Optimization Methods	4	1	Stochastic processes and Applications	3
2	Data Structures and Algorithms	4	2	Statistical Structures in Data and	4
3	Managing Uncertainty	4	3	Inference Data handling and Visualization	2
4	Data Wrangling	3	4	Introduction to Data, Signal, and Image Analysis	4
5	Information Security and Privacy	2	5	Database Management Systems	3
6	Management Accounting for Engineers	2	6	Mobile Application Development	3
7	Technical Communication	1		income rip pricution 2 everopricis	
8	Community Service	0			
	Total	20		Total	19
	I .		Year (Aca	ademic Year 2025-26)	
	Semester - V		Semester - VI		
S. No.	Course	Credits	S. No.	Course	Credits
1	Introduction to Modern Application Development	3	1	Computer Vision and Applications	3
2	Applied Artificial Intelligence	4	2	Applications of Machine Learning	3
		+	3	Advance Data Structure for Analytics	3
	Foundations of Machine Learning	4			
3	Foundations of Machine Learning  Department Elective – I and II	3+3		Department Elective - III	_
	Department Elective - I and II	3+3	4	Department Elective - III  Ouantitative Finance	3
3	Department Elective – I and II  Predictive Analysis			Quantitative Finance	_
3	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis			Quantitative Finance Marketing Strategy and Analytics	_
3	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis Internet of Things Analytics			Quantitative Finance Marketing Strategy and Analytics Non-parametric Statistical Inference	
3	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis Internet of Things Analytics Data Driven Program Analysis		4	Quantitative Finance Marketing Strategy and Analytics Non-parametric Statistical Inference Supply chain and Analytics	3
3	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis Internet of Things Analytics Data Driven Program Analysis Applied Time Series Analysis		5	Quantitative Finance Marketing Strategy and Analytics Non-parametric Statistical Inference Supply chain and Analytics Open Elective III	3
3 4	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis Internet of Things Analytics Data Driven Program Analysis Applied Time Series Analysis Virtualization and Cloud Computing	3+3	4	Quantitative Finance Marketing Strategy and Analytics Non-parametric Statistical Inference Supply chain and Analytics Open Elective III Open Elective IV	3 3 3
3	Department Elective – I and II Predictive Analysis Simulation Modelling and Analysis Internet of Things Analytics Data Driven Program Analysis Applied Time Series Analysis		5 6	Quantitative Finance Marketing Strategy and Analytics Non-parametric Statistical Inference Supply chain and Analytics Open Elective III	3

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Year of the Programme: Fourth Year (Academic Year 2026-27)								
Semester - VII			Semester - VIII					
S. No.	Course	Credits	S. No.	Course	Credits			
1	Neural Networks and Deep Learning	3	1	Project	10			
2	Speech and Natural Language Processing	3						
3	Big Data Analytics	3						
4	MLOps	3						
5	Department Elective – IV and V	3 + 3						
	Advanced Database Management Systems							
	Advanced Computer Vision							
	DevOps							
	Metaverse							
	Reinforcement Learning							
	Quantum Machine Learning							
6	Open Elective V	3						
7	Capstone Project	4						
	Total	25		Total	10			

**Total Credits for the Programme** 

**155**