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

				ogramme (Batch 2023-27) demic Year 2023-27)	
	Semester - I	mile, Piist	Ical (Aca	Semester - II	
S. No.	Course	Credits	S. No.	Course	Credits
1	Calculus	4	1	Linear Algebra and Differential	4
2	Physics	4	2	Equations Quantum and Statistical Physics	3
3	Elements of Biology	4 3	23	English Communication	1
5		5	5	Basic Electrical and Electronics	1
4	Programming for Problem Solving	4	4	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		0	9	Environmental Science	2
			10	Design Thinking	0
	Total	19	10	Total	20
			l Voar (Ac	cademic Year 2024-25)	20
	Semester - III	me. Second	I Teal (AG	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
				Introduction to Data, Signal, and Image	
4	Data Wrangling	3	4	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			
8	Community Service	0			
	Total	20		Total	19
		nme: Third	Year (Aca	ademic Year 2025-26)	
~	Semester - V			Semester - VI	
S. No.	Course Introduction to Modern Application	Credits	S. No.		Credits
1	Development	3	1	Computer Vision and Applications	3
2	Applied Artificial Intelligence	4	2	Applications of Machine Learning	3
3	Foundations of Machine Learning	4	3	Advance Data Structure for Analytics	3
4	Department Elective – I and II	3+3	4	Department Elective - III	3
	Predictive Analysis			Quantitative Finance	
	Simulation Modelling and Analysis			Marketing Strategy and Analytics	
	Internet of Things Analytics			Non-parametric Statistical Inference	
	Data Driven Program Analysis			Supply chain and Analytics	
	Applied Time Series Analysis		5	Open Elective III	3
	Virtualization and Cloud Computing		6	Open Elective IV	3
5	Open Elective I	3	7	Interpersonal Skills	1
6	Open Elective II	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		·				