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

Program Structure for MBA Tech Data Science Programme (Batch 2025-30)					
Year of the Programme: First Year (Academic Year 2025-26)					
Semester - I			**Semester - II**		
Sr. No.	**Name of the Course**	**Credits**	**Sr. No.**	**Name of the Course**	**Credits**
1	Calculus	4	1	Linear Algebra and Differential Equations	4
2	Physics	4	2	Programming with Python	2
3	Businesss Communication	1	3	Elements of Biology	3
4	Computational Thinking for Problem Solving	4	4	Quantum Physics	3
5	Engineering Graphics and Design	2	5	Microeconomics	2
6	Principles of Management	1	6	Essential Electronics Practices	1
7	Engineering Ethics	1	7	Environmental Science	0
8	Indian Knowledge System	0	8	Technical Communication	1
9	Basic Electrical and Electronics Engineering	3	9	Product Realization	2
10	Constitution of India	0	10	Data Wrangling	2
Total	**10**	**20**	**Total**	**10**	**20**
Year of the Programme: Second Year (Academic Year 2026-27)					
Semester - III			**Semester - IV**		
Sr. No.	**Name of the Course**	**Credits**	**Sr. No.**	**Name of the Course**	**Credits**
1	Discrete Mathematics	3	1	Database Management Systems	3
2	Data Structures and Algorithms	3	2	Computer Systems and Networking	3
3	Object Oriented Programming	2	3	Agile-driven Software Testing	3
4	Managing Uncertainty	3	4	Information Security and Privacy	2
5	Introduction to Data and Signal Analysis	2	5	Statistical Structures in Data and Inference	3
6	Management Accounting for Engineers	2	6	Program Elective - II	3
7	Open Elective - I **	3	7	Database Management Systems Lab	1
8	Program Elective - I	2	8	Design Experience I	1
9	Data Structures and Algorithms Lab	1	9	Open Elective - II ***	3
10	Object Oriented Programming Lab	1	10	Data Handling and Visualization	2
11	Community Service	0	11	Macroeconomics	2
Total	**10**	**22**	**Total**	**11**	**26**
Year of the Programme: Third Year (Academic Year 2027-28)					
Semester - V			**Semester - VI**		
Sr. No.	**Name of the Course**	**Credits**	**Sr. No.**	**Name of the Course**	**Credits**
1	Multi-modal Data Processing and Learning	3	1	Applications of Machine Learning	2
2	Business Statistics	3	2	Applied Artificial Intelligence	3
3	Fundamentals of Embedded Systems and IoT	3	3	Decision Analysis & Modelling	3
4	Foundations of Machine Learning	4	4	Program Elective - V	3
5	Program Elective - III	4	5	Open Elective - IV	3
6	Program Elective - IV	4	6	Open Elective - V	3
7	Open Elective - III	3	7	Interpersonal Skills	1
8	Design Experience II	2	8	Design Experience III	2
			9	Transforming Ideas to Innovation	1
			10	Generative AI Systems and Applications	3
Total	**8**	**26**	**Total**	**9**	**24**

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Year of the Programme: Fourth Year (Academic Year 2028-29)					
Semester - VII			**Semester - VIII**		
Sr. No.	**Name of the Course**	**Credits**	**Sr. No.**	**Name of the Course**	**Credits**
1	Neural Networks and Deep Learning	3	1	Big Data Analytics	3
2	Speech and Natural Language Processing	2	2	Business Analytics	3
3	Operations Management	3	3	Logistics & Supply chain Management	2
4	Financial Accounting & Analysis	3	4	Financial Management	3
5	Marketing Management	3	5	B2B Marketing	3
6	Data Visualisation for Business Decisions	3	6	Organizational Behaviour	3
7	Program Elective - VI	4	7	Business Research Methods	2
8	Technical Internship	5	8	Entrepreneurship	2
Total	**8**	**26**	**Total**	**8**	**21**
Year of the Programme: Fifth Year (Academic Year 2029-30)					
Semester - IX			**Semester - X**		
Sr. No.	**Name of the Course**	**Credits**	**Sr. No.**	**Name of the Course**	**Credits**
1	Strategic Management of Technological Innovation	2	1	Strategic Management	3
2	People Analytics	2	2	Sustainable Business Management Practices	2
3	Elective- 1	3	3	Contract, Competition and Consumer Laws	2
4	Elective- 2	3	4	Elective- 4	3
5	Elective- 3	3	5	Elective- 5	3
6	Management Internship Programme	12	6	Elective- 6	3
			7	Capstone Project	5
Total	**6**	**25**	**Total**	**7**	**21**

Total Credits for the Programme	**231**
Total No. of Subjects	**89**