

Program Structure for M Tech Data Science (Business Analytics) Programme (Batch 2024-26)					
Year of the Programme: First Year (Academic Year 2024-25)					
Semester - I			Semester - II		
S. No.	Course	Credits	S. No.	Course	Credits
1	Applied Mathematics for Data Science	3	1	Advanced Artificial Intelligence & Deep Learning	3
2	Programming for Analytics	3	2	Generative AI with Large Language Models	3
3	Applied Machine Learning	3	3	Natural Language Processing	2
4	Data Engineering	3	4	Career Development and Professional Skills	1
5	Professional Elective - I	3	5	Lab - 3: Building Generative AI based Applications	2
6	Professional Skills	1	6	Lab - 4: Large Language Models Lab	2
7	Lab - 1: Applied ML Lab	2	7	Technical Seminar - I	2
8	Lab - 2: Data Science Lab	2	8	Professional Elective - II	3
			9	Professional Elective - III	3
	<i>Professional Elective - I : (Choose any one)</i> 1. Generative Adversarial Networks 2. Finance Analytics			<i>Professional Elective - II : (Choose any one)</i> 1. Ethics in Data Science 2. Computer Vision	
				<i>Professional Elective - III : (Choose any one)</i> 1. Application Architecture and Deployment 2. Security of Data Science	
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>21</b>
Year of the Programme: Second Year (Academic Year 2025-26)					
Semester - III			Semester - IV		
S. No.	Course	Credits	S. No.	Course	Credits
1	Capstone Project	12	1	Industrial Internship with Project	16
2	Technical Seminar - II	2			
3	Professional Elective - IV	3			
	<i>Professional Elective - IV: (Choose any one)</i> 1. Machine Learning Operations				
	2. Industry Specific Applications of Generative AI & Responsible AI				
	<b>Total</b>	<b>17</b>		<b>Total</b>	<b>16</b>

Total Credits for the Programme

74

Total No. of Subjects

21