Program Structure for M Tech Artificial Intelligence 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 Statistics and Time Series Forecasting	3	1	Artificial Intelligence - Deep Learning & Generative AI	3
2	Advanced Data Analysis and Programming	3	2	Distributed Data Processing	3
3	Data Engineering	3	3	Security Essentials in Applied AI	4
4	Artificial Intelligence with ML	3	4	Career Development and Professional Skills	1
5	Natural Language Processing	2	5	Lab – 3: Artificial Intelligence Applications Lab	2
6	Professional Elective - I	3	6	Lab – 4: Artificial Intelligence Deep Learning & Edge Lab	2
7	Professional Skills	1	7	Technical Seminar - I	2
8	Lab – 1: Visual Analytics Lab	2	8	Professional Elective - II	3
9	Lab – 2: AI ML Lab	2	9	Professional Elective - III	3
	Professional Elective - I : (Choose any one) *1. Application Architecture & Deployment* *2. Financial Analytics using time series and LSTM*			*Professional Elective - II : (Choose any one)* *1. Edge Computing* *2. Reinforcement Learning*	
				Professional Elective - III : (Choose any one) *1. Generative AI* *2. Computer Vision* *3. Large Language Models*	
	Total	22		Total	23

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			
	Professional Elective - IV : (Choose any one) *1. Advanced Deep Learning - Application* *2. Cloud Computing*				
	Total	17		Total	16

Total Credits for the Programme	78
Total No. of Subjects	22