

**For Batches admitted in 2024-25 onwards**

S. No.	Name of Micro Specialization	Head Course (S)			Elective Courses	
		Course Name	Semester	Credit	Course Name	Credit
1	Software Engineering	Software Engineering	IV	3	Agile and Secure Software Engineering	3
					AI-Enabled Software Engineering	3
					Software Testing and Quality Management	3
					Design Pattern	3
2	Artificial Intelligence and Machine Learning	Machine Learning	IV	3	Artificial Intelligence*	3
					Natural Language Processing	3
					Image Processing	3
					Deep Learning	3
					Prompt Engineering and Generative AI Systems	3
					Applied Accelerated Deep Learning	3
	Machine Learning Lab	IV	1	Ethical AI and Responsible Artificial Intelligence	3	
				Generative AI	3	
				Large Language Models and Generative AI	3	
				Transformer Models	3	
3	Artificial Intelligence and Data Science	Machine Learning	IV	3	Artificial Intelligence*	3
					Statistical Methods and Data Analysis*	3
					Natural Language Processing	3
					Image Processing	3
					Deep Learning	3
					Prompt Engineering and Generative AI Systems	3
	Machine Learning Lab	IV	1	Applied Accelerated Deep Learning	3	
				Ethical AI and Responsible Artificial Intelligence	3	
				Generative AI	3	
				Large Language Models and Generative AI	3	
				Transformer Models	3	
				Generative Adversarial Networks (GANs)	3	
				Exploratory Data Analytics	3	

\*Compulsory for respective microspecialization