

M.Tech in Artificial Intelligence							
			Teaching scheme				
		Course name	L	T	P	C	Hrs /week
Sem I	CORE	Fundamentals of AI	3	0	0	3	3
		Fundamentals of AI Lab	0	0	2	1	2
		Essential Mathematics for AI	3	0	0	3	3
		Optimization for ML/AI	2	0	0	2	2
		Time Series Data Analysis	3	0	0	3	3
		Time Series Data Analysis Lab	0	0	2	1	2
		Pattern Recognition and Machine Learning	3	0	0	3	3
		Pattern Recognition and Machine Learning lab	0	0	2	1	2
		Programming for AI	0	0	2	1	2
		Ethics in AI	2	0	0	2	2
					20	24	
Sem II	Core	Explainable AI	3	0	0	3	3
		Neural networks	3	0	0	3	3
		Neural networks lab	0	0	2	1	2
	Electives	CE-3	3	0	0	3	3
		CE-3 Lab	0	0	2	1	2
		CE-4	3	0	0	3	3
		CE-4 Lab	0	0	2	1	2
		CE-5	3	0	0	3	3
		CE-5 Lab	0	0	2	1	2
	Core	Successful Research and Development Program	2	0	0	1	2
Sem II					20	25	

Sem III	seminar				3	
	project				9	
Sem III					12	

Sem IV	seminar				3	
	Dissertation				20	
Sem IV					23	

Total Credit					75	
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Electives Sem - II

Ai in finance	3	0	0	3	3
Ai in finance Lab	0	0	2	1	2
Computer vision	3	0	0	3	3
Computer vision Lab	0	0	2	1	2
Natural Language Processing	3	0	0	3	3

Natural Language Processing Lab	0	0	2	1	2
Stochastic Processes and their Applications	3	0	0	3	3
Stochastic Processes and their Applications Lab	0	0	2	1	2
Reinforcement Learning	3	0	0	3	3
Reinforcement Learning Lab	0	0	2	1	2
Cloud infrastructure for AI	3	0	0	3	3
Cloud infrastructure for AI Lab	0	0	2	1	2
AI in healthcare Applications	3	0	0	3	3
AI in healthcare Applications Lab	0	0	2	1	2
Data Analytics	3	0	0	3	3
Data Analytics Lab	0	0	2	1	2
Speech Information Processing	3	0	0	3	3
Speech Information Processing Lab	0	0	2	1	2
Advanced optimization algorithms	3	0	0	3	3
Advanced optimization algorithms Lab	0	0	2	1	2
edge computing and federated learning	3	0	0	3	3
edge computing and federated learning Lab	0	0	2	1	2
Accelerated hardware for AI systems	3	0	0	3	3
Accelerated hardware for AI systems Lab	0	0	2	1	2