

M.Tech Curriculum in Artificial Intelligence & Machine Learning - 2021-2023

Semester-I						
S. No	Course Code	Course Name	L	T	P	C
1	MAT560	Mathematical Foundations for Machine Learning	3	0	0	3
2	AML500	Advanced Algorithms and Analysis	3	0	0	3
3	AML501	Machine Learning Techniques	3	0	0	3
4	AML501L	Machine Learning Techniques Lab	0	0	3	2
5	AML502	Artificial Intelligence and Knowledge Representation	3	0	0	3
6	AML502L	Artificial Intelligence and Knowledge Representation Lab	0	0	3	2
7		Elective-I	3	0	0	3
Total						19

Semester-II						
S. No	Course Code	Course Name	L	T	P	C
1	MAT561	Optimisation Techniques	3	0	0	3
2	AML504	Data Warehousing and Pattern Mining	3	0	0	3
3	AML504L	Data Warehousing and Pattern Mining Lab	0	0	3	2
4	AML505	Deep Learning Techniques	3	0	0	3
5	AML505L	Deep Learning Techniques Lab	0	0	3	2
6	AML506	Natural Language Computing	3	0	0	3
7		Elective-II	3	0	0	3
8	RM101	Research Methodology and IPR	2	0	0	2
Total						21

Semester-III						
S. No	Course Code	Course Name	L	T	P	C
1	EGL501	English for Research Paper Writing	1	0	0	1
2	AML507	Big Data Analytics	3	0	0	3
3	AML508	Soft Computing	3	0	0	3
4	AML580	Project Work-Phase I	0	0	20	10
Total						17

Semester-IV						
S. No	Course Code	Course Name	L	T	P	C
1	AML581	Project Work-Phase II	0	0	28	14
Total						14

List of Electives					
Course Code	Course Name	L	T	P	C
AML551	Modelling and Simulation of Digital Systems	3	0	0	3
AML552	Knowledge Engineering and Expert Systems	3	0	0	3
AML553	Information Retrieval	3	0	0	3
AML554	Pattern Recognition	3	0	0	3
AML555	Problem Solving Methods in Artificial Intelligence	3	0	0	3
AML556	Cognitive Systems	3	0	0	3
AML557	Introduction to High Performance Computing	3	0	0	3
AML558	Computer Vision	3	0	0	3
AML559	Number theory and Cryptography	3	0	0	3
AML560	Agent Systems	3	0	0	3
AML561	Artificial Intelligence and Neural Networks	3	0	0	3
AML562	Statistical Modelling for Computer Sciences	3	0	0	3
AML563	Fuzzy Logic and its Applications	3	0	0	3
AML564	Electronic Design Automation	3	0	0	3