

**School of Computer Science & Engineering
Department of Artificial Intelligence and Machine Learning
Course Structure**

For M.Tech CSE(AIML)Program from Academic 2025-27

Duration: 2 Years, Total Number of Credits: 80

Year	FIRST SEMESTER						SECOND SEMESTER					
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I	AIM6101	Applied Statistics and Probability	3	1	0	4	AIM6201	Natural Language Understanding	3	1	0	4
	AIM6102	Advanced Data Structures and Algorithms	3	1	0	4	AIM6202	Deep Learning	3	1	0	4
	AIM6103	Applied Machine Learning	3	1	0	4	AIM6203	MLOps	3	1	0	4
	AIM61XX	Program Elective-1	3	0	0	3	AIM62XX	Program Elective-3	3	0	0	3
	AIM61XX	Program Elective-2	3	0	0	3	AIM62XX	Program Elective-4	3	0	0	3
	AIM6130	Advanced Data Structures and Algorithms Lab using Python (Lab – 1)	0	0	4	2	AIM62XX	Program Elective-5	3	0	0	3
	AIM6131	Data Visualization Lab (Lab – 2)	0	0	2	1	AIM6270	Project -2 / Research Practice - 2	0	0	4	2
	DR6001	Self Study MLC / Research Methodology	2	0	0	2	AIM6230	Deep Learning lab	0	0	4	2
	AIM6170	Project - 1 / Research Practice – 1	0	0	4	2						
						25						25
	Total Contact Hours (L+T+P)		17	3	10	30	Total Contact Hours (L+T+P)		18	3	8	29
	Programme Elective-I <ul style="list-style-type: none"> • AIM6140 Healthcare Informatics • AIM6141 Big Data Analytics • AIM6142 Cyber Analytics Programme Elective-II <ul style="list-style-type: none"> • AIM6143 Computer Vision • AIM6144 Cognitive Computing • AIM6145 Speech Recognition 						Programme Elective-III <ul style="list-style-type: none"> • AIM6240 Explainable AI • AIM6241 Behavior Data Analysis • AIM6242 Machine Learning for Cybersecurity Programme Elective-IV <ul style="list-style-type: none"> • AIM6243 Quantum Artificial Intelligence • AIM6244 Computational Game Theory • AIM6245 Artificial Intelligence for Malware Detection • AIM6246 Reinforcement Learning Programme Elective-V <ul style="list-style-type: none"> • AIM6247 Recommendation System • AIM6248 Biomedical Imaging • AIM6249 Graph Neural Network 					
	Total Contact Hours (L+T+P)=30 Total Credits:25						Total Contact Hours (L+T+P)=29 Total Credits:25					
II	THIRD SEMESTER						FOURTH SEMESTER					
	AIM7170/ AIM7171	Internship-I/ Dissertation-I	0	0	30	15	AIM7270/ AIM7271	Internship-II/ Dissertation-II	0	0	30	15
	Total Contact Hours= 30 Total Credits=15						Total Contact Hours= 30 Total Credits=15					