

MCA - Specialization in Artificial Intelligence and Machine Learning In collaboration with Samatrix

Semester - I			Semester - II		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
MCA119A	Programming in C++	3	MCA182A	Soft Skills	3
MCA120B	Computer Networks	4	MCA130A	Advance Java	3
MCA121B	Advance Data Structures and Algorithms	3	MCA132B	PHP & MYSQL	3
MCA123B	Business Communication Skills	2	MCA118A	Advance Database Management Systems	3
MCA125A	Programming in C++ Lab	2	MCA133A	Advance Java Lab	2
MCA126A	Advance Data Structures and Algorithms Lab	2	MCA134B	PHP & MYSQL Lab	2
MCA127B	Business Communication Skills Lab	2	MCA124B	Advance Database Management Systems Lab	2
MCA176A	Designing Lab	2	MCA136A	Minor Project	2
MCAAI101 (AI & ML Specialization)	Data Analysis using Python	4	MCAAI103 (AI & ML Specialization)	Machine Learning and Pattern Recognition	4
MCAAI102 (AI & ML Specialization)	Probabilistic Modelling and Reasoning with Python	4	MCAAI104 (AI & ML Specialization)	Machine Learning Practical with Python, Scikit-learn, Matplotlib, TensorFlow	4
Total		28	Total		28

Semester - III		
Course Code	Course Name	Credits
MCA129A	Accounting Principles and Practices	3
MCA183A	Agile Software Development	3
MCA138A	Information Security & Cyber Law	4
MCA184A	Data Science & Analytics	4
MCA185A	Data Science & Analytics Lab	2
MCA177A	Cloud Computing Lab	2
MCAAI105 (AI & ML Specialization)	Neural Networks and Deep Learning (Vision and NLP)	4
MCAAI106 (AI & ML Specialization)	Data Visualization	4
MCAAI107 (AI & ML Specialization)	Project	4
Total		28

Semester - IV		
Course Code	Course Name	Credits
MCA175A	Industrial Training/Project Presentation	28