



Trimester-I

Course Code	Course Name
MBTAC1101	Linear Algebra
MBTAC1102	Communication Skills
MBTAC1103	Basic Electrical and Electronics Engineering
MBTAC1104	Programming in 'C'
MBTAL1101	Communication Skills Lab
MBTAL1102	Basic Electrical and Electronics Engineering Lab
MBTAL1103	Programming in 'C' Lab

Trimester -II

Course Code	Course Name
MBTAC1201	Introduction to Cybersecurity
MBTAC1202	Entrepreneurship and Venture Development
MBTAC1203	Calculus
MBTAC1204	Physics
MBTAC1205	Introduction to Python Programming
MBTAL1201	Critical Thinking
MBTAL1202	Tinker Lab
MBTAL1203	Physics Lab
MBTAL1204	Introduction to Python Programming Lab
MBTAC1201	Introduction to Cybersecurity

Trimester-III

Course Code	Course Name
MBTAC1301	Material Science
MBTAC1302	Foreign Language
MBTAC1303	Data Structures and Algorithms
MBTAC1304	Mathematical Foundations for Machine Learning
MBTAC1305	Environmental Science
MBTAL1301	Material Science Lab
MBTAL1302	Foreign Language Lab
MBTAL1303	Creative Thinking
MBTAL1304	Data Structures and Algorithms Lab

Trimester-IV

Course Code	Course Name
MBTAC2101	Probability and Random Processes
MBTAC2102	Database Systems
MBTAC2103	Fundamentals of Data Science
MBTAC2104	Operating Systems
MBTAL2101	Software Tools for Artificial Intelligence and Machine Learning
MBTAL2102	Fundamentals of Data Science Lab
MBTAL2103	Database Systems Lab



Trimester-V

Course Code	Course Name
MBTAC2201	Design Thinking
MBTAC2202	Applied Machine Learning
MBTAC2203	Neural Networks
MBTAC2204	Ethical, Social and Legal issues in AI
MBTAL2201	Neural Networks Lab
MBTAC2201	Design Thinking
MBTAC2202	Applied Machine Learning
MBTAC2203	Neural Networks
MBTAC2204	Ethical, Social and Legal issues in AI
MBTAL2201	Neural Networks Lab

Trimester-VI

Course Code	Course Name
MBTAC2301	Advanced Machine Learning
MBTAC2302	Discrete Mathematics
MBTAC2303	Computer Network
MBTAC2304	Data Visualization
MBTAL2301	Advanced Machine Learning Lab
MBTAL2303	Computer Network Lab
MBTAL2304	Data Visualization Lab



Trimester-VII

Course Code	Course Name
MBTAC3101	Software engineering
MBTAC3102	Data Warehousing and Mining
MBTAC3103	Fuzzy Systems
MBTAC3104	Management Essentials
MBTAL3101	Data Warehousing and Mining Lab
MBTAL3102	Fuzzy systems Lab
MBTAL3103	Mini Project - I

Trimester-VIII

Course Code	Course Name
MBTAC3201	Natural Language Processing
MBTAC3202	Deep Learning
MBTAC3203	Feature Engineering
MBTAC3204	Organizational Behavior
MBTAL3201	Natural Language Processing Lab
MBTAL3202	Deep Learning Lab
MBTAL3203	Feature Engineering Lab

Trimester-IX

Course Code	Course Name	
MBTAC3301	Generative Adversarial Networks	
MBTAC3302	Computer Vision	
MBTAC3303	Program Elective- I	Social Media Analytics
MBTAC3304		Recommendation Systems
MBTAC3305		Predictive Analytics
MBTAC3306		Sentiment Analysis
MBTAL3301		Generative Adversarial Networks Lab
MBTAL3302	Computer Vision Lab	
MBTAL3303	Program Elective- I Lab	Social Media Analytics Lab
MBTAL3304		Recommendation Systems Lab
MBTAL3305		Predictive Analytics Lab
MBTAL3306		Sentiment Analysis Lab
MBTAL3307		AI on cloud

Trimester-X

Course Code	Course Name	
MBTAC4101	Big Data Analytics	
MBTAC4102	Program Elective - II	Pattern Recognition
MBTAC4103		Reinforcement Learning
MBTAC4104		Robotics
MBTAC4105		Geo AI
MBTAC4106		Project Management
MBTAC4107	Open Elective – I	IPR and Patenting
MBTAC4108		Product Lifecycle Management
MBTAC4109		Research Methodology
MBTAC4110	Principles of Marketing	
MBTAL4101	Big Data Analytics Lab	
MBTAL4102	Program Elective - II Lab	Pattern Recognition Lab
MBTAL4103		Reinforcement Learning Lab
MBTAL4104		Robotics Lab
MBTAL4105		Geo AI Lab
MBTAL4106		Mini Project - II



Trimester-XI

Course Code	Course Name	
MBTAC4201	Optimization Techniques	
MBTAC4202	Generative AI	
MBTAC4203	Program Elective- III	Speech Analytics
MBTAC4204		Cognitive Computing
MBTAC4205		Quantum AI
MBTAC4206		Agentic AI
MBTAL4201	Optimization Techniques Lab	
MBTAL4202	Generative AI Lab	
MBTAL4203	Program Elective- III Lab	Speech Analytics Lab
MBTAL4204		Cognitive Computing Lab
MBTAL4205		Quantum AI Lab
MBTAL4206		Agentic AI Lab
MBTAL4207	ML Ops Lab	

Trimester-XIII

Course Code	Course Name
MBTAL4301	Internship