



## Trimester-I

<b>Course Code</b>	<b>Course Name</b>
<b>MBTC1101</b>	<b>Linear Algebra</b>
<b>MBTC1102</b>	<b>Communication Skills</b>
<b>MBTC1103</b>	<b>Basic Electrical and Electronics Engineering</b>
<b>MBTC1104</b>	<b>Programming in 'C'</b>
<b>MBTL1101</b>	<b>Communication Skills Lab</b>
<b>MBTL1102</b>	<b>Basic Electrical and Electronics Engineering Lab</b>
<b>MBTL1103</b>	<b>Programming in 'C' Lab</b>

## Trimester -II

<b>Course Code</b>	<b>Course Name</b>
<b>MBTC1201</b>	<b>Introduction to Cybersecurity</b>
<b>MBTC1202</b>	<b>Entrepreneurship and Venture Development</b>
<b>MBTC1203</b>	<b>Calculus</b>
<b>MBTC1204</b>	<b>Physics</b>
<b>MBTC1205</b>	<b>Introduction to Python Programming</b>
<b>MBTL1201</b>	<b>Critical Thinking</b>
<b>MBTL1202</b>	<b>Tinker Lab</b>
<b>MBTL1203</b>	<b>Physics Lab</b>
<b>MBTL1204</b>	<b>Introduction to Python Programming Lab</b>



## Trimester-III

Course Code	Course Name
MBTC1301	Material Science
MBTC1302	Foreign Language
MBTC1303	Data Structures and Algorithms
MBTC1304	Mathematical Foundations for Machine Learning
MBTC1305	Environmental Science
MBTL1301	Material Science Lab
MBTL1302	Foreign Language Lab
MBTL1303	Creative Thinking
MBTL1304	Data Structures and Algorithms Lab

## Trimester-IV

Course Code	Course Name
MBTC2101	Probability and Random Processes
MBTC2102	Database Systems
MBTC2103	Fundamentals of Data Science
MBTC2104	Operating Systems
MBTL2101	Database Systems Lab
MBTL2102	Fundamentals of Data Science Lab



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## Trimester-V

Course Code	Course Name
MBTC2201	Design Thinking
MBTC2202	Neural Networks
MBTC2203	Machine Learning
MBTC2204	Responsible AI
MBTL2201	Neural Networks Lab
MBTL2202	Machine Learning Lab

## Trimester-VI

Course Code	Course Name
MBTC2301	Advanced Machine Learning
MBTC2302	Computer Network
MBTC2303	Data Visualization
MBTC2304	Business Intelligence
MBTL2301	Advanced Machine Learning Lab
MBTL2302	Computer Network Lab
MBTL2303	Data Visualization Lab



## Trimester-VII

Course Code	Course Name
MBTC3101	Software engineering
MBTC3102	Data Warehousing and Mining
MBTC3103	Fuzzy Systems
MBTC3104	Management Essentials
MBTL3101	Data Warehousing and Mining Lab
MBTL3102	Fuzzy systems Lab
MBTL3103	Mini Project - I

## Trimester-VIII

Course Code	Course Name
MBTC3201	Natural Language Processing
MBTC3202	Deep Learning
MBTC3203	Feature Engineering
MBTC3204	Organizational Behavior
MBTL3201	Natural Language Processing Lab
MBTL3202	Deep Learning Lab
MBTL3203	Feature Engineering Lab

### Trimester-IX

Course Code	Course Name	
MBTC3301	Generative Adversarial Networks	
MBTC3302	Computer Vision	
MBTC3303	Program Elective- I	Social Media Analytics
MBTC3304		Recommendation Systems
MBTC3305		Predictive Analytics
MBTC3306		Sentiment Analysis
MBTL3301		Generative Adversarial Networks Lab
MBTL3302	Computer Vision Lab	
MBTL3303	Program Elective- I Lab	Social Media Analytics Lab
MBTL3304		Recommendation Systems Lab
MBTL3305		Predictive Analytics Lab
MBTL3306		Sentiment Analysis Lab
MBTL3207		AI on cloud

### Trimester-X

Course Code	Course Name	
MBTC4101	Big Data Analytics	
MBTC4102	Program Elective - II	Pattern Recognition
MBTC4103		Reinforcement Learning
MBTC4104		Robotics
MBTC4105		Geo AI
MBTC4106	Open Elective – I	Project Management
MBTC4107		IPR and Patenting
MBTC4108		Product Lifecycle Management
MBTC4109		Research Methodology
MBTC4110	Principles of Marketing	
MBTL4101	Big Data Analytics Lab	
MBTL4102	Program Elective - II Lab	Pattern Recognition Lab
MBTL4103		Reinforcement Learning Lab
MBTL4104		Robotics Lab
MBTL4105		Geo AI Lab
MBTL4106	Mini Project - II	



## Trimester-XI

Course Code	Course Name	
MBTC4201	Optimization Techniques	
MBTC4202	Generative AI	
MBTC4203	Program Elective- III	Speech Analytics
MBTC4204		Cognitive Computing
MBTC4205		Quantum AI
MBTC4206		Agentic AI
MBTL4201	Optimization Techniques Lab	
MBTL4202	Generative AI Lab	
MBTL4203	Program Elective- III Lab	Speech Analytics Lab
MBTL4204		Cognitive Computing Lab
MBTL4205		Quantum AI Lab
MBTL4206		Agentic AI Lab
MBTL4207	ML Ops Lab	

## Trimester-XIII

Course Code	Course Name
MBTL4301	Internship