

Course Structure for MBA Tech Artificial Intelligence Programme (Batch 2023-28)					
First Year					
Semester - I			Semester - II		
S. No.	Course	Credits	S. No.	Course	Credits
1	Calculus	4	1	Linear Algebra and Differential Equations	4
2	Physics	4	2	Probability and Random Variables	3
3	Basic Electrical and Electronics Engineering	3	3	Elements of Biology	3
4	English Communication	1	4	Engineering Graphics and Design	3
5	Programming for Problem Solving	4	5	Principles of Economics and Management	3
6	Digital Manufacturing Laboratory	1	6	Python Programming	1
7	Electrical and Electronics Workshop	1	7	Professional Ethics	1
8	Environmental Science	2	8	Constitution of India	0
9	Design Thinking	0	9	Critical Thinking	0
	Total	20		Total	18
Second Year					
Semester - III			Semester - IV		
S. No.	Course	Credits	S. No.	Course	Credits
1	Discrete Mathematics	3	1	Statistical Methods	3
2	Random processes and Estimation Techniques	4	2	Signal and Image Processing	4
3	Computer Architecture	2	3	Machine Learning	4
4	Operating Systems	3	4	Database Management Systems	3
5	Intelligent Systems - I	3	5	Optimization Techniques	3
6	Data Structures and Algorithms	4	6	Management Accounting for Engineers	2
7	Technical Communication	1	7	Integral Transforms	3
8	Community Service	0			
	Total	20		Total	22
Third Year					
Semester - V			Semester - VI		
S. No.	Course	Credits	S. No.	Course	Credits
1	Computer Networks	3	1	Advanced Topics in Machine Learning	3
2	Deep Learning	3	2	Agile Product Development with DevOps	3
3	Natural Language Processing	3	3	Robotics	3
4	Department Elective - I	3	4	Department Elective - III	3
5	Department Elective - II	3	5	Department Elective - IV	3
6	Open Elective I	3	6	Open Elective - III	3
7	Open Elective - II	3	7	Open Elective - IV	3
			8	Interpersonal Skills	1
	Total	21		Total	22
Fourth Year					
Semester - VII			Semester - VIII		
S. No.	Course	Credits	S. No.	Course	Credits
1	Computer Vision	3	1	Applied Time Series Analysis	3
2	Department Elective - V	3	2	Generative AI	3
3	Department Elective - VI	3	3	Capstone Project	5
4	Open Elective - V	3			
5	Technical Internship	4			
	Total	16		Total	11
	Management Subjects			Management Subjects	
1	Business Statistics	2	1	Business Analytics	3
2	Operations Management	3	2	Logistics and Supplychain Management	2
3	Quantitative Techniques	2	3	Financial Management	3
4	Financial Accounting and Analysis	3	4	B2B Marketing	2
5	Marketing Management	3	5	Design Thinking for Start-ups	2
6	Information System Management	2	6	Organizational Behaviour	2
			7	Business Research Methods	2
			8	Personal Skills for Business	2
			9	Spreadsheet Modelling	1
	Total	15		Total	19

Fifth Year					
Semester - IX			Semester - X		
S. No.	Course	Credits	S. No.	Course	Credits
	Compulsory Subjects			Compulsory Subjects	
1	Human Resource Management	2	1	Strategic Management	3
2	Management of Technology and Innovation	2	2	Sustainable Business Management Practices	2
3	Business Communication	2	3	Legal aspects of Business	2
4	Elective- 1	2	4	Macroeconomics	2
5	Elective- 2	2	5	Elective- 5	2
6	Elective- 3	2	6	Elective- 6	2
7	Elective- 4	2	7	Elective- 7	2
			8	Elective- 8	2
	Total	14		Total	17
	Value Added course				
1	MIP	12			
	Management Internship Programme - 16 weeks				
	Total	26		Total	17
Total Credits for the Programme		227			

Department Electives - I, II, III, IV, V & VI		
S. No.	Course	Credits
1	Compiler Design	3
2	Mobile Application Development	3
3	Distributed Computing	3
4	Web Programming	3
5	Cryptography and Network Security	3
6	Design and Analysis of Algorithms	3
7	Robotic Process Automation	3
8	Internet of Things (IoT)	3
9	Human Computer Interaction	3
10	Biometrics	3
11	Blockchain Technology	3
12	Evolutionary Computing	3
13	Cloud Computing	3
14	Recommendation Systems	3
15	Big Data Analytics	3
16	Reinforcement Learning	3
17	Intelligent Systems - II	3