

B.Tech. SCHEME OF EXAMINATION 2021-22
Scheme of Teaching & Examination of Bachelor of Technology III Semester B.TECH. (Artificial Intelligence)

Scheme of Teaching & Examination of Bachelor of Technology III Semester B.TECH. (Artificial Intelligence)														
Sr. No.	Course Code	Category	Course Name	Hours/ Week			Credits	Maximum Marks					Minimum Passing Marks	
				Theory		Practical		Total						
				L	T	P			Internal	University	Internal	University	Theory	Practical
1	BTECHAI301T	Basic Science Course	Discrete Mathematics and Graph Theory	3	1	0	4.00	30	70	-	-	100	45	
2	BTECHAI302T	Professional core courses	Operating Systems	3	1	0	4.00	30	70	-	-	100	45	
3	BTECHAI303T	Professional core courses	Computer Architecture & Organization	3	0	0	3.00	30	70	-	-	100	45	
4	BTECHAI304T	Professional core courses	Data Structures	3	1	0	4.00	30	70	-	-	100	45	
5	BTECHAI304P	Professional core courses	Data Structures LAB	0	0	2	1.00	-	-	25	25	50		25
6	BTECHAI305T	Engineering	Digital Circuits & Fundamentals of Microprocessor	3	0	0	3.00	30	70			100	45	
7	BTECHAI305P	Engineering	Digital Circuits & Fundamentals of Microprocessor Lab	0	0	2	1.00	-	-	25	25	50		25
8	BTECHAI306P	Engineering Sciences	Professional Skills I (Core Python)	0	0	2	1.00			25	25	50		25
9	BTECHAI307T	HSMC	Universal Human Values	2	0	0	2.00	15	35			50	23	
10	BTECHAI308T	Mandatory Course	Environmental Science	2	0	0	Audit	College assessment in grades O, A,B,C						
Total				19	3	6	23.00	165	385	75	75	700		

B.Tech. SCHEME OF EXAMINATION 2021-22
Scheme of Teaching & Examination of Bachelor of Technology IV Semester B.TECH. (Artificial Intelligence)

Sr. No.	Course Code	Category	Course Name	Hours/ Week			Credits	Maximum Marks					Minimum Passing Marks	
								Theory		Practical		Total		
				L	T	P		Internal	University	Internal	University		Theory	Practical
1	BTECHAI401T	Professional core courses	Introduction to Artificial Intelligence	3	0	0	3.00	30	70	-	-	100	45	
2	BTECHAI402T	Professional core courses	Theory of Computation	3	1	0	4.00	30	70	-	-	100	45	
3	BTECHAI403T	Basic Science Courses	Mathematical foundation for Artificial Intelligence	3	0	0	3.00	30	70	-	-	100	45	
4	BTECHAI404T	Professional core courses	Object Oriented Programming with JAVA	3	0	0	3.00	30	70	-	-	100	45	
5	BTECHAI404P	Engineering Sciences	Professional Skills II (Java)	0	0	2	1.00	-	-	25	25	50		25
6	BTECHAI405T	Professional core courses	Database Management Systems	3	0	0	3.00	30	70			100	45	
7	BTECHAI405P	Professional core courses	Database Management Systems Lab	0	0	2	1.00	-	-	25	25	50		25
8	BTECHAI406T	Engineering Sciences	Microcontroller & Embedded System	3	1	0	4.00	30	70	-	-	100	45	
9	BTECHAI406P	Engineering Sciences	Microcontroller & Embedded System Lab	0	0	2	1.00	-	-	25	25	50	-	25
10	BTECHAI407T	Project/ Internship	Internship	0	0	2	1.00			50		50		25
Total				16	4	8	24.00	180	420	125	75	800		

B.Tech. SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology V Semester B.Tech. (Artificial Intelligence)

Sr. No.	Course Code	Category	Course Name	Hours/ Week			Credits	Maximum Marks				Minimum Passing Marks		
								Theory		Practical				Total
				L	T	P		Internal	University	Internal	University	Theory	Practical	
1	BTECHAI501 T	Professional core courses	Computer Communication Network	3	0	0	3.00	30	70			50	45	
2	BTECHAI502 T	Professional core courses	Design and Analysis of Algorithms	4	0	0	4.00	30	70	-	-	100	45	
3	BTECHAI502 P	Professional core courses	Design and Analysis of Algorithms lab	0	0	2	1.00			25	25	100	45	25
4	BTECHAI503 T	Professional core courses	Machine Learning Techniques	3	0	0	3.00	30	70	-	-	100	45	
5	BTECHAI503 P	Professional core courses	Machine Learning Techniques Lab	0	0	2	1.00			25	25	100	45	25
6	BTECHAI504 T	Engineering Sciences	Internet of Things and Robotics	3	0	0	3.00	30	70	-	-	100	45	
7	BTECHAI504 P	Engineering Sciences	Internet of Things and Robotics Lab	0	0	2	1.00	-	-	25	25	50		25
8	BTECHAI505 T	Professional Elective Course	Elective- I	3	0	0	3.00	30	70			100	45	
9	BTECHAI506 P	HSMC	Organizational Behaviour	2	0	0	Audit	College assessment in grades O, A,B,C						
Total				18	0	8	19	150	350	75	75	650		

Elective I- 1. NoSQL 2. Information Security 3. Wireless Communication Technologies 4. ARM Processor & its Essentials

Scheme of Teaching & Examination of Bachelor of Technology VI Semester B.Tech. (Artificial Intelligence)
B.Tech. SCHEME OF EXAMINATION 2021-22

Sr. No.	CourseCode	Category	Course Name	Hours/Week			Credits	Maximum Marks						Minimum Passing Marks	
								Theory		Practical		Total			
				L	T	P		Internal	University	Internal	University		Theory	Practical	
1	BTECHAI601T	Professional core courses	Deep Learning	4	0	0	4.00	30	70	-	-	100	45		
2	BTECHAI601P	Professional core courses	Deep Learning Lab	0	0	2	1.00			25	25	50		25	
3	BTECHAI602T	Professional core courses	AI in Natural Language Processing	3	0	0	3.00	30	70	-	-	100	45		
4	BTECHAI602P	Professional core courses	AI in Natural Language Processing Lab	0	0	2	1.00			25	25	50		25	
5	BTECHAI603T	Engineering Sciences	Digital System Design using Verilog	3	0	0	3.00	30	70	-	-	100	45		
6	BTECHAI603P	Engineering Sciences	Digital System Design Lab	0	0	2	1.00	-	-	25	25	50		25	
7	BTECHAI604T	Professional Elective Course	Elective 2	3	0	0	3.00	30	70			100	45		
8	BTECHAI605T	Open Elective	Open Elective-1	3	0	0	3.00	30	70			100	45		
10	BTECHAI606P	Mandatory Course	Intellectual Property Rights	2	0		College assessment in grades O, A,B,C								
11	BTECHAI607P	Project/ Internship	Mini Project /Internship	-	0	6	3.00	-	-	25	25	50	-	25	
Total				18	0	12	22.00	150	350	125	75	700			

Elective II: 1. Web and Social Media Analytics 2. Block Chain and Cyber Security3. Intelligent Sensor & Instrumentation 4. Intelligent Transport Systems

B.Tech. SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology VII Semester B.Tech. (Artificial Intelligence)

Sr No	Course Code	Category	Course Name	Hours / Week			Credits	Maximum Marks				Minimum PassingMarks		
								Theor y		Practical				Total
				L	T	P		Internal	University	Interna l	University	Theory	Practical	
1	BTECHAI701T	Professional core courses	Modern CompilerDesign	3	0	0	3.00	30	70	-	-	100	45	
2	BTECHAI701P	Professional core courses	Modern CompilerDesign Lab	0	0	2	1.00			25	25	50		25
3	BTECHAI702T	Engineering Sciences	Digital Signal & Image Processing	3	0	0	3.00	30	70	-	-	100	45	
4	BTECHAI702P	Engineering Sciences	Digital Signal & Image Processing Lab	0	0	2	1.00			25	25	50		25
5	BTECHAI703T	Professional Elective Course	Elective- III	3	0	0	3.00	30	70	-	-	100	45	
6	BTECHAI704P	Open Elective	Open Elective- III	3	0	0	3.00	30	70	-	-	100	45	
7	BTECHAI705	Project/ Internship	Project		0	6	3.00	-	-	50	50	100		25
Total				14	0	10	17.00	120	280	100	100	600		

Elective III: 1. Human Computer Interaction 2 Medical Image Analysis 3. Data Compression & Encryption Techniques 4. Micro-Electro-Mechanical Systems

B.Tech. SCHEME OF EXAMINATION 2021-22
Scheme of Teaching & Examination of Bachelor of Technology VIII Semester B.Tech. (Artificial Intelligence)

Sr No	Course Code	Category	Course Name	Hours/ Week			Credits	Maximum Marks						Minimum Passing Marks	
								Theory		Practical		Total			
				L	T	P							Internal		
				1	BTECHAI801T	Professional Elective Course		Elective IV	3	0	0	3.00	30	70	-
2	BTECHA802T	Professional Elective Course	Elective V	3	0	0	3.00	30	70	-	-	100	45		
3	BTECHAI803T	Project/ Internship	Project	0	0	12	8.00			100	100	200			
Total				6	0	12	14.00	60	140	100	100	400			

Elective IV: 1. Cloud Computing 2 Augmented & Virtual Reality 3. Biomedical Instrumentation 4. Measurement and Design

Elective V: 1. Mobile Communication and Web Analytics 2. Optical Circuits & Fibres 3. Cyber Crimes & Digital Forensics 4. Data Visualization

