

B.TECH SCHEME OF EXAMINATION 2021-22

Scheme of Teaching & Examination of Bachelor of Technology V Semester B.TECH(Artificial Intelligence & Data Science)

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	BTECH_AI&DS-501T	Professional core courses	Data Mining	3	0	0	3.00	30	70			100	45		
2	BTECH_AI&DS-502T	Professional core courses	Design and Analysis of Algorithms	3	0	0	3.00	30	70	-	-	100	45		
3	BTECH_AI&DS-502P	Professional core courses	Design and Analysis of Algorithms lab	0	0	2	1.00			25	25	50	45	25	
4	BTECH_AI&DS-503T	Professional core courses	Machine Learning Techniques	3	0	0	3.00	30	70	-	-	100	45		
5	BTECH_AI&DS-504T	Engineering Sciences	Internet of Things and its Application	3	0	0	3.00	30	70	-	-	100	45		
6	BTECH_AI&DS-504P	Engineering Sciences	Internet of Things -Lab	0	0	2	1.00	-	-	25	25	50		25	
7	BTECH_AI&DS-505T	Professional Elective Course	Elective- I	3	0	0	3.00	30	70			100	45		
8	BTECH_AI&DS-506P	Professional core courses	Professional Skills-III	0	0	2	1.00			25	25	50	45	25	
9	BTECH_AI&DS-507T	HSMC	Effective Technical Communication	2	0	0	2.00	15	35			50	23		
Total				17	0	6	20	165	385	75	75	700			

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

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				L	T	P		Theory		Practical		Total		
								Internal	University	Internal	University		Theory	Practical
1	BTECH_AI&DS-601T	Professional core courses	Deep Learning	3	0	0	3.00	30	70	-	-	100	45	
2	BTECH_AI&DS-601P	Professional core courses	Deep Learning Lab	0	0	2	1.00			25	25	50		25
3	BTECH_AI&DS-602T	Engineering Sciences	Computer Communication Network	3	0	0	3.00	30	70	-	-	100	45	
	BTECH_AI&DS-603T	Professional core courses	Digital System Design using Verilog	3	0	0	3.00	30	70	-	-	100	45	
4	BTECH_AI&DS-603P	Professional core courses	DSD-Lab	0	0	2	1.00	-	-	25	25	50		25
5	BTECH_AI&DS-604T	Professional Elective Course	Elective-II	3	0	0	3.00	30	70			100	45	
6	BTECH_AI&DS-605T	Open Elective	Open Elective-1	3	0	0	3.00	30	70			100	45	
7	BTECH_AI&DS-606P	Professional core courses	Professional Skills-IV	0	0	2	1.00	-	-	25	25	50		25
8	BTECH_AI&DS-607T	Mandatory course	Intellectual Property Rights	2	0	0	Audit	College assessment in grades O, A,B,C						
10	BTECH_AI&DS-608P	Project Work/Internship	Mini Project /Internship	0	0	6	3.00	-	-	25	25	50	-	25
Total				17	0	12	21.00	150	350	100	100	700		

Elective II: 1. Web and Social Media Analytics 2. Block Chain and Cyber Security 3. Intelligent Sensor & Instrumentation 4. Robotics and Intelligent Systems