



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY - GURAJADA -  
VIZIANAGARAM**

**VIZIANAGARAM – 535 003 Andhra Pradesh (India)**

(Established by Andhra Pradesh Act No.22 of 2021)

**B.TECH. – ARTIFICIAL INTELLIGENCE AND MACHINE LERANING**

**B.Tech.– II Year I Semester**

S.No.	Category	Title	L	T	P	Credits
1	BS	Discrete Mathematics & Graph Theory	3	0	0	3
2	HSMC	Universal Human Values 2-Understanding Harmony & Ethical Human Conduct	2	1	0	3
3	Engineering Science	Principles of Artificial Intelligence	3	0	0	3
4	Professional Core	Advanced Data Structures & Algorithms Analysis	3	0	0	3
5	Professional Core	Object Oriented Programming Through Java	3	0	0	3
6	Professional Core	Advanced Data Structures and Algorithms Analysis Lab	0	0	3	1.5
7	Professional Core	Object Oriented Programming Through Java Lab	0	0	3	1.5
8	SEC	Python programming	0	1	2	2
9	Audit Course	Environmental Science	2	0	0	-
<b>Total</b>			<b>16</b>	<b>2</b>	<b>8</b>	<b>20</b>

**B.Tech.– II Year II Semester**

S.No.	Category	Title	L	T	P	Credits
1	Management Elective - I	Managerial Economics & Financial Analysis	2	0	0	2
2	Basic Science	Probability & Statistics	3	0	0	3
3	Professional Core	Machine Learning	3	0	0	3
4	Professional Core	Database Management Systems	3	0	0	3
5	Professional Core	Digital Logic & Computer Organization	3	0	0	3
6	Professional Core	AI & ML Lab	0	0	3	1.5
7	Professional Core	Database Management Systems Lab	0	0	3	1.5
8	SEC	Full Stack Development -1	0	1	2	2
9	ES	Design Thinking & Innovation	1	0	2	2
<b>Total</b>			<b>15</b>	<b>1</b>	<b>12</b>	<b>21</b>
Mandatory Community Service Project Internship of 08weeks duration during summer Vacation						