

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURJADA VIZIANAGARAM**VIZIANAGARAM – 535 003, Andhra Pradesh, India****B.Tech (R23-COURSE STRUCTURE & SYLLABUS)**

(Applicable from the academic year 2024-25 and onwards)
(AI & ML)

B.Tech. – III Year I Semester

S.No.	Category	Title	L	T	P	Credits
1	Professional Core	Information Retrieval Systems	3	0	0	3
2	Professional Core	Computer Networks	3	0	0	3
3	Professional Core	Deep Learning with Applications	3	0	0	3
4	Professional Elective-I	1. Software Engineering 2. Digital Twin 3. Mobile Edge Computing 4. Optimization Techniques 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
5	Open Elective- I	Open elective offered by other department	3	0	0	3
6	Professional Core	Information Retrieval & Deep Learning Lab	0	0	3	1.5
7	Professional Core	Computer Networks Lab	0	0	3	1.5
8	Skill Enhancement course	NodesJS	0	1	2	2
9	ES	Tinkering Lab	0	0	2	1
10	Evaluation of Community Service Internship		-	-	-	2
Total			14	1	10	23

[illegible]



B.Tech. – IV Year I Semester

S.No.	Category	Title	L	T	P	Credits
1	Professional Core	Natural Language Programming	3	0	0	3
2	Management Course-II	Management Science Human resource Management Entrepreneurship &Incubation	2	0	0	2
3	Professional Elective-IV	1. Federated Learning 2. NoSQL databases 3. Quantum Computing 4. Computational Neuroscience 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
4	Professional Elective-V	1. Agile methodologies 2. Big Data Analytics 3. Reinforcement Learning 4.High-performance Computing (HPC) 5. Any of the 12-Week SWAYAM /NPTEL Course suggested by the BoS	3	0	0	3
5	Open Elective-III	Open elective offered by other department	3	0	0	3
6	Open Elective-IV	Open elective offered by other department	3	0	0	3
7	Skill Enhancement Course	Prompt Engineering	0	1	2	2
8	AuditCourse	Gender Sensitization	2	0	0	-
9	Internship	Evaluation of Industry Internship	-	-	-	2
Total			19	1	02	21

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURJADA VIZIANAGARAM**VIZIANAGARAM – 535 003, Andhra Pradesh, India****B.Tech (R23-COURSE STRUCTURE & SYLLABUS)**

(Applicable from the academic year 2024-25 and onwards)
(AI & ML)

B.Tech.– IV Year II Semester

S.No.	Category	Title	L	T	P	Credits
1	Internship & Project Work	Full semester Internship & Project Work	0	0	24	12

OPEN ELECTIVES OFFERED BY CSE (AI & ML) TO OTHER BRANCHES:

OPEN ELECTIVE –I	OPEN ELECTIVE -II
1. Introduction to Artificial Intelligence 2. Exploratory Data Analysis with Python 3. Web Technologies	1. Fundamentals of Data Base Management System 2. JAVA Programming 3. Social Media Analytics
OPEN ELECTIVE –III	OPEN ELECTIVE -IV
1. Introduction to Machine Learning 2. Data Wrangling and Pre-processing 3. Block Chain Technologies	1. Internet of Things 2. Fundamentals of Cloud Computing 3. Cyber Security