



MARRI LAXMAN REDDY
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

M.Tech - Computer Science and Engineering
Course Structure (R22)

Applicable From 2022-2023 Admitted Batch

I YEAR I – SEMESTER

Course Code	Course Title	L	T	P	Credits
2215801	Artificial Intelligence	3	0	0	3
2215802	Advanced Data Structures	3	0	0	3
Professional Elective - I	1. Database Programming with PL/SQL 2. Deep Learning 3. Natural Language Processing	3	0	0	3
Professional Elective - II	1. Applied Cryptography 2. Software Quality Engineering 3. Mining Massive Datasets	3	0	0	3
2225831	Advanced Data Structures Lab	0	0	4	2
2225832	Professional Elective - I Lab	0	0	4	2
2215803	Research Methodology & IPR	2	0	0	2
Audit - I	Audit Course- I	2	0	0	0
	Total	16	0	8	18

Professional Elective- I and Professional Elective- I Lab must be of same course.

I YEAR II – SEMESTER

Course Code	Course Title	L	T	P	Credits
2225804	Advanced Algorithms	3	0	0	3
2225805	Machine Learning	3	0	0	3
Professional Elective - III	1. Enterprise Cloud Concepts 2. Advanced Computer Networks 3. Edge Analytics	3	0	0	3
Professional Elective - IV	1. Bioinformatics 2. Nature Inspired Computing 3. Robotic Process Automation	3	0	0	3
2225833	Advanced Algorithms Lab	0	0	4	2
2225834	Professional Elective - III Lab	0	0	4	2
2225835	Mini Project with Seminar	0	0	4	2
Audit - II	Audit Course- II	2	0	0	0
	Total	14	0	12	18

Professional Elective- III and Professional Elective- III Lab must be of same course.

II YEAR III – SEMESTER

Course Code	Course Title	L	T	P	Credits
Professional Elective - V	1. Digital Forensics 2. High Performance Computing 3. Quantum Computing	3	0	0	3
Open Elective	Open Elective	3	0	0	3
2225836	Dissertation Work Review - II	0	0	12	6
	Total	6	0	12	12

// YEAR II - SEMESTER

Course Code	Course Title	L	T	P	Credits
2225837	Dissertation Work Review - III	0	0	12	6
2225838	Dissertation Viva-Voce	0	0	28	14
	Total	0	0	40	20

Note: For Dissertation Work Review - I, Please refer 7.10 in R19 Academic

Regulations.Audit Course I&II:

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by yoga
8. Personality Development Through Life Enlightenment Skills

Open Electives for other Departments:

1. IPR
2. Fault Tolerance Systems
3. Intrusion Detection Systems
4. Digital Forensics
5. Optimization Techniques
6. Cyber Physical Systems
7. Graph Analytics