



MARRI LAXMAN REDDY

INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Affiliated to JNTU, Hyderabad, Approved by AICTE, New Delhi)

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

Dundigal (Vill .& Mandal), Medchal District, Hyderabad - 500043, Telangana.



(UGC Autonomous)

M.Tech in Computer Science and Engineering

Course Structure and Syllabus (R19)

Applicable From 2019-2020 Admitted Batch

I YEAR - I SEMESTER

S. No.	Course Code	Course Title	Course Area	Hours Per Week			Credits	Scheme of Examination Maximum Marks		
				L	T	P		Internal (CIE)	External (SEE)	Total
1	1915801	Mathematical Foundations of Computer Science	PC	3	0	0	3	30	70	100
2	1915802	Advanced Data Structures	PC	3	0	0	3	30	70	100
3	1915803	Research Methodology & IPR	MC	2	0	0	2	30	70	100
4		Professional Elective - I	PE	3	0	0	3	30	70	100
5		Professional Elective - II	PE	3	0	0	3	30	70	100
6	1925831	Advanced Data Structures Lab	PC	0	0	4	2	30	70	100
7	11925832	Machine Learning Lab	PC	0	0	4	2	30	70	100
8		Audit Course - I	AC	2	0	0	0	30	70	100
Total Credits				16	0	8	18	240	560	800

I YEAR - II SEMESTER

S. No.	Course Code	Course Title	Course Area	Hours Per Week			Credits	Scheme of Examination Maximum Marks		
				L	T	P		Internal (CIE)	External (SEE)	Total
1	1925804	Advanced Algorithms	PC	3	0	0	3	30	70	100
2	1925805	Advanced Computer Architecture	PC	3	0	0	3	30	70	100
3		Professional Elective - III	PE	3	0	0	3	30	70	100
4		Professional Elective - IV	PE	3	0	0	3	30	70	100
5	1925833	Advanced Algorithms Lab	PC	0	0	4	2	30	70	100
6	1925834	Data Science Lab	PC	0	0	4	2	30	70	100
7	2025835	Mini Project with Seminar	PC	0	0	4	2	30	70	100
8		Audit Course - II	AC	2	0	0	0	30	70	100
Total Credits				14	0	12	18	240	560	800

Professional Elective -I		
S.No	Course Code	Course
1	1915811	Information Security
2	1915812	Mobile Application Development
3	1915813	Machine Learning

Professional Elective -II		
S. No	Course Code	Course
1	1915814	Network Security
2	1915815	Cloud Computing
3	1915816	Data Mining

Professional Elective -III		
S. No	Course Code	Course
1	1925817	Web and Database Security
2	1925818	Internet of Things
3	1925819	Data Science

Professional Elective-IV		
S. No	Course Code	Course
1	1925820	Cyber Security
2	1925821	Advanced Computer Networks
3	1925822	Big Data Analytics

Audit Course -I		
S. No	Course Code	Course
1	1910001	English for Research Paper Writing
2	1910002	Disaster Management
3	1910003	Sanskrit for Technical Knowledge
4	1910004	Value Education

Audit Course -II		
S. No	Course Code	Course
1	1920005	Constitution of India
2	1920006	Pedagogy Studies
3	1920007	Stress Management by yoga
4	1920008	Personality Development Through Life Enlightenment Skills