

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU**
COURSE STRUCTURE FOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
M.Tech-CSE- Computer Science and Engineering and Computer Science
w.e.f. 2017-18 Admitted Batch onwards

M.Tech I Semester

S.No	Subject Code	Subject	L	T	P	C
1.	17D08101	Advanced Data Structures and Algorithms	4	-	-	4
2.	17D25102	Fundamentals of Data Science	4	-	-	4
3.	17D25203	Software Patterns	4	-	-	4
4.	17D25207 17D58101 17D58102 17D08109	Elective-I a. Software Project Management b. Information Security c. Distributed Databases d. Neural Networks	4	-	-	4
5.	17D58103 17D08206 17D08104 17D58104	Elective-II a. Professional Aspects In Software Engineering b. Artificial Intelligence c. Internals of Operating Systems d. Multicore Architecture & Programming	4	-	-	4
6.	17D08110	Advance Data Structures & Algorithms Lab	-	-	4	2
7.	17D58105	R & Analytics Lab	-	-	4	2
8.	17D25214	Software Patterns Lab	-	-	4	2
Total			20		12	26

M.Tech II Semester

S.No	Subject Code	Subject	L	T	P	C
1.	17D08203	Cloud Computing	4	-	-	4
2.	17D25208	Big Data Analytics	4	-	-	4
3.	17D08201	Mobile Application Development	4	-	-	4
4.	17D25206 17D25201 17D08103 17D58201	Elective-III a. Internet of Things b. Advances in Software Testing c. Network Security & Cryptography d. NOSQL databases	4	-	-	4
5.	17D08208 17D58202 17D25210 17D58203	Elective-IV a. Machine Learning b. Distributed Computing c. Software Configuration Management d. Natural Language Processing	4	-	-	4
6.	17D08212	Map Reduce Programming Lab	-	-	4	2
7.	17D58204	SPARK Programming Lab	-	-	4	2
8.	17D08210	Mobile Application Development Lab	-	-	4	2
Total			20		12	26

M.Tech IIISemester

S.No	Subject Code	Subject	L	T	P	C
1.	17D20301 17D20302 17D20303	Elective-V (Open Elective) 1. Research Methodology 2.Human Values & Professional Ethics 3.Intellectual Property Rights	4	-	-	4
2.	17D58301	Elective-VI (MOOCs)	-	-	-	-
3.	17D58302	Comprehensive Viva-Voice	-	-	-	2
4.	17D58303	Seminar	-	-	-	2
5.	17D58304	Teaching Assignment	-	-	-	2
6.	17D58305	Project work Phase-I	-	-	-	4
Total			04	-	-	14

M.TechIV Semester

S.No.	Subject Code	Subject	L	T	P	C
1.	17D58401	Project work Phase - II	-	-	-	12
Total			-	-	-	12

Project Viva Voce Grades:

A: Satisfactory

B: Not Satisfactory