



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India

MASTER OF COMPUTER APPLICATIONS (MCA)
COURSE STRUCTURE

(Applicable for batches admitted from 2019-2020)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

MCA III SEMESTER

S.No	Code	Courses	L	T	P	C
1	R19MCA2301	Database Management Systems	3	0	0	3
2	R19MCA2302	Computer Networks	3	0	0	3
3	R19MCA2303	Design and Analysis of Algorithms	3	0	0	3
4	R19MCA2304	Advanced Java Programming	3	0	0	3
5	R19MCA2305	Object Oriented Analysis and Design	3	0	0	3
6	R19MCA2306	Database Management Systems Lab	0	0	3	1.5
7	R19MCA2307	Advanced Java Programming Lab	0	0	3	1.5
8	R19MCA2308	OOAD through UML Lab	0	0	3	1.5
Total Credits						19.5

MCA IV SEMESTER

S.No	Code	Courses	L	T	P	C
1	R19MCA2401	Data Warehousing and Data Mining	3	0	0	3
2	R19MCA2402	Full Stack Technologies	3	0	0	3
3	R19MCA2403	Python Programming	3	0	0	3
4	R19MCA2404	Elective-1 1. Embedded Computing 2. Artificial Intelligence 3. MOOCs-1 (NPTEL/SWAYAM)(Self learning courses)	3	0	0	3
5	R19MCA2405	Elective-2 1. Cloud Computing 2. Multimedia Application Development 3. MOOCs-2 (NPTEL/SWAYAM)	3	0	0	3
6	R19MCA2406	Full Stack Technologies Lab	0	0	3	1.5
7	R19MCA2407	Data Mining with R Lab	0	0	3	1.5
8	R19MCA2408	Python Programming Lab	0	0	3	1.5
Total Credits						19.5