



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

MASTER OF COMPUTER APPLICATIONS (REGULAR)

CURRICULUM – SEMESTERS I to VI

Rs: 38000 Per Semester

No. of credits : 123

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SEMESTER 1

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	Exam slot
Course No	Course	L	T	P					
RLMCA101	Problem Solving and Computer Programming	3	1		40	60	100	4	A
RLMCA103	Discrete Mathematics	3	1	-	40	60	100	4	B
RLMCA105	Applied Probability and Statistics	3	1	-	40	60	100	4	C
RLMCA107	Principles of Management	3	1	-	40	60	100	4	D
RLMCA109	Digital Fundamentals	3	1	-	40	60	100	4	E
RLMCA131	Programming Lab	-		4	100		100	1	S
RLMCA133	Applied Statistics Lab	-		4	100		100	1	T
	TOTAL	15	5	8	400	300	700	22	

SEMESTER 2

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	Exam slot
Course No	Course	L	T	P					
RLMCA102	Object Oriented Programming	3	1	-	40	60	100	4	A
RLMCA104	Data Structures	3	1	-	40	60	100	4	B
RLMCA106	Operating Systems	3	1	-	40	60	100	4	C
RLMCA108	Operations Research	3	1	-	40	60	100	4	D
RLMCA112	Computer Organization and Architecture	3	1	-	40	60	100	4	E
RLMCA132	Object Oriented Programming Lab	-		4	100		100	1	S
RLMCA134	Data Structures Lab	-		4	100		100	1	T
	TOTAL	15	5	8	400	300	700	22	

SEMESTER 3

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	Exam slot
Course No	Course	L	T	P					
RLMCA201	Computer Networks	3	1	-	40	60	100	4	A
RLMCA203	Software Engineering	3	1	-	40	60	100	4	B
RLMCA205	Database Management Systems	3	1	-	40	60	100	4	C
RLMCA207	Design and Analysis of Algorithms	3	1	-	40	60	100	4	D
RLMCA209	Web Programming	3	1	-	40	60	100	4	E
RLMCA231	Database Lab	-		4	100		100	1	S
RLMCA233	Web Programming Lab	-		4	100		100	1	T
	TOTAL	15	5	8	400	300	700	22	

SEMESTER 4

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	Exam slot
Course No	Course	L	T	P					
RLMCA202	Application Development and Maintenance	3	1	-	40	60	100	4	A
RLMCA204	Big Data Technologies	3	1	-	40	60	100	4	B
RLMCA206	Mobile Computing	3	1	-	40	60	100	4	C
RLMCA208	Introduction to Machine Learning	3	1	-	40	60	100	4	D
RLMCA2--	Elective I	3	1	-	40	60	100	4	E
RLMCA232	System Design Lab	-	-	4	100		100	1	S
RLMCA234	Mobile Application Development Lab	-	-	4	100		100	1	T
	TOTAL	15	5	8	400	300	700	22	

ELECTIVE-I	
RLMCA262	Functional Programming
RLMCA264	Design and Analysis of Parallel Algorithms
RLMCA266	Advanced Database Systems
RLMCA268	Computational Science
RLMCA272	Advanced Java Programming
RLMCA274	Business Intelligence and its Applications

SEMESTER 5

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	Exam slot
Course No	Course	L	T	P					
RLMCA301	Web Data Mining	3	1	-	40	60	100	4	A
RLMCA303	E-Commerce	3	-	-	40	60	100	3	B
RLMCA305	Cryptography and Cyber Security	3	1	-	40	60	100	4	C
RLMCA3- -	Elective II	3	1	-	40	60	100	4	D
RLMCA3- -	Elective III	3	1	-	40	60	100	4	E
RLMCA341	Seminar	-	-	2	50	-	50	2	S
RLMCA351	Mini Project	-	-	8	150	-	150	2	T
	TOTAL	15	4	10	400	300	700	23	

ELECTIVE-II		ELECTIVE-III	
RLMCA361	Compiler Construction	RLMCA381	Cloud Computing
RLMCA363	IPR and Cyber Law	RLMCA383	Human Computer Interaction
RLMCA365	Cyber Forensics	RLMCA385	Bioinformatics
RLMCA367	Internet of Things	RLMCA387	Computer Graphics
RLMCA369	Python Programming	RLMCA389	Parallel and Distributed Computing
RLMCA371	Social Network Analysis	RLMCA391	Artificial Intelligence

SEMESTER 6

	Master of Computer Applications (Regular)	Hours / week			IA marks	ESE Marks	Total	Credits	
Course No	Course	L	T	P					
RLMCA352	Project and Viva Voce			30	70	30	100	12	
	Cumulative Total						3600	123	

