

Department of Computer Applications

Curriculum & Syllabi 2011 Regulations for Master of Computer Applications

SEMESTER I

S.No	Course Code	Course Name	L	T	P	C	M
1	11CA101	Digital Fundamentals and Computer Organization	3	1	0	4	100
2	11CA102	Problem Solving Techniques	3	0	0	3	100
3	11CA103	IT Essentials	3	0	0	3	100
4	11CA104	Programming in C	3	0	0	3	100
5	11CA105	Mathematical Foundations of Computer Science	3	1	0	4	100
6	11CA107	Communication Skills lab	0	0	3	2	100
7	11CA108	Programming in C Laboratory	0	0	3	2	100
8	11CA109	Hardware & Trouble shooting lab	0	0	3	2	100
Total			15	2	9	23	800

SEMESTER II

9	11CA201	Data Structures and Algorithm Design	3	1	0	4	100
10	11CA202	Object Oriented Programming	3	1	0	4	100
11	11CA203	Software Engineering	3	0	0	3	100
12	11CA204	Operations Research	3	1	0	4	100
13	11CA205	Data Base Management Systems	3	0	0	3	100
14	11CA207	Data Structures and Algorithms Laboratory	0	0	3	2	100
15	11CA208	Object Oriented Programming Laboratory With C++	0	0	3	2	100
16	11CA209	Data Base Management Systems Laboratory	0	0	3	2	100
Total			15	3	9	24	800

SEMESTER III

17	11CA301	Advanced Operating System Concepts	3	1	0	4	100
18	11CA302	Computer Networks	3	0	0	3	100
19	11CA303	Internet and Java Programming	3	0	0	3	100
20	11CA304	Graphics and Multimedia	3	0	0	3	100
21	11CA305	Object Oriented Analysis and Design	3	0	0	3	100
22	11CA307	Internet and Java Programming Laboratory	0	0	3	2	100
23	11CA308	Graphics and Multimedia Laboratory	0	0	3	2	100
24	11CA309	Networks Laboratory	0	0	3	2	100
Total			15	1	9	22	800

SEMESTER IV

25	11CA401	Human Computer Interface	3	1	0	4	100
26	11CA402	Mobile Application Development	3	0	0	3	100
27	11CA403	.Net Framework and Programming	3	0	0	3	100
28	11CA404	Web Technology	3	0	0	3	100
29	11CA405	Enterprise Computing	3	1	0	4	100
30	11CA407	.Net Framework Programming and Web Technology Laboratory	0	0	3	2	100
31	11CA408	Mobile Application Development laboratory	0	0	3	2	100
32	11CA409	Mini Project	0	0	6	3	100
Total			15	2	12	24	800

L: Lecture

T: Tutorial

P: Practical

C: Credits

M: Marks

SEMESTER V

32	11CA501	Data Mining and Data Warehousing	3	1	0	4	100
33	11CA502	Software Project Management	3	0	0	3	100
34	11CA503	XML and Web Services	3	0	0	3	100
35	XXX	Elective - I	3	0	0	3	100
36	XXX	Elective - II	3	0	0	3	100
35	11CA507	Open Source Software Laboratory	0	2	3	2	100
36	11CA508	Web Services Laboratory	0	0	3	2	100
Total			15	3	6	20	700

SEMESTER – VI

37	11CA607	Project Work	0	0	24	12	400
Total			0	0	24	12	400
List of Elective							
38	11CA911	Database Architecture and Administration	3	0	0	3	100
39	11CA912	High Speed Communication Networks	3	0	0	3	100
40	11CA913	Information Security and Cyber Laws	3	0	0	3	100
41	11CA914	Cloud Computing Techniques	3	0	0	3	100
42	11CA915	Mobile Computing	3	0	0	3	100
43	11CA916	Semantic Web	3	0	0	3	100
44	11CA917	Intelligent Information System	3	0	0	3	100
45	11CA918	Principles of Management	3	0	0	3	100

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