



MCA

Course Scheme



School of Computer Science & IT
Devi Ahilya Vishwa Vidyalyaya, Indore

MCA 1st Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks
CS-4009	Computer Organization and Architecture	3	1	2	5	30	20	50	100
CS-4122	Mathematical Foundation for Computer Application	3	1	0	4	40	-	60	100
CS-4209	Data Structures using C++	3	1	4	6	30	20	50	100
CS-5511	Operating Systems	3	1	2	5	30	20	50	100
IC-4916	Communication Skills and Report Writing	2	1	0	3	40	-	60	100
CS-4809A	Comprehensive Viva	-	-	-	4	-	-	-	100
Total Credit ->					27	Total Marks ->			600

MCA 2nd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks
CS-4405	Database Management System	3	1	4	6	30	20	50	100
CS-4305	Software Engineering	3	1	0	4	40	-	60	100
CS-5216	Design and Analysis of Algorithm	3	1	2	5	30	20	50	100
CS-5613	Computer Networks	3	1	0	4	40	-	60	100
CS-5617	Internet and Web Technology	3	1	4	6	30	20	50	100
CS-4809B	Comprehensive Viva	-	-	-	4	-	-	-	100
Total Credit ->					29	Total Marks ->			600

MCA 3rd Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks
CS-5517	Automata Theory and Compiler Constructions	3	1	2	5	30	20	50	100
CS-6518	Cloud Computing	3	1	2	5	30	20	50	100
CS-5715	Artificial Intelligence and Machine Learning	3	1	2	5	30	20	50	100
CS-5615	Information Security	3	1	2	5	30	20	50	100
CS-6630	Internet of Things	3	1	2	5	30	20	50	100
CS-5809A	Comprehensive Viva	-	-	-	4	-	-	-	100
Total Credit ->					29	Total Marks ->			600

MCA 4th Semester

Subject Code	Subject Name	L	T	P	C	Max. Internal marks	Max. Practical/ Project marks	Max. End Semester Exam marks	Total Marks
CS-5805B	Project				12				100
Total Credit ->					12	Total Marks ->			100