

➤ MCA Course Outline

Solapur University ,Solapur.								
Syllabus of First Year MCA (under faculty of Engg.)								
Semester	Paper Name	L	T	P	TH	TW	POE	Total
1	Discrete Mathematical Structure	4			100			100
	Programming In C	4	1		100			100
	Digital Electronics	4		2	100	25		125
	Computer Oriented Operation Research	4	1		100			100
	Fundamentals of Computer	4			100			100
	Programming Laboratory – I (C Prog.)			4		25	50	75
	Seminar - I		2			50		50
	Total	20	4	6	500	100	50	650
2	Numerical Methods with Algorithm	3	1		100			100
	Finite State Automata	3	1		100			100
	Data Structure - I	4		2	100	50	50	200
	Microprocessor	4		2	100	50		150
	Software Engineering	3			100			100
	Programming Laboratory – II (C++ Prog.)	1		4		25	50	75
	Seminar - II		2			25		25
	Total	18	4	8	500	150	100	750

3	Computer Graphics with Multimedia	4		2	100	25		125
	System Programming	4		2	100	25		125
	Computer Organization & Architecture	4			100			100
	Relational Database Management System	3		2	100	25	50	175
	Computer Algorithm	3			100			100
	Programming Laboratory - III (VB Prog.)		2	2		25	50	75
	Mini Project			2		50		50
	Total	18	2	10	500	150	100	750
4	Operating System	4			100			100
	Data Mining	3		2	100	50		150
	Computer Networks	4		2	100	25	50	175
	Artificial Intelligence	3			100			100
	Elective - I	4			100			100
	Programming Laboratory - IV (Java)	2		4		25	50	75
	Mini Project			2		50		50
	Total	20	0	10	500	150	100	750
5	Mobile Communication	4			100			100
	Web Design Techniques	3		2	100	25		125
	Internet Technology	3			100			100
	Elective - II	4			100			100
	Network Administration	2		2	100	50		150

	Programming Laboratory - V (.NET)		2	4		25	50	75
	Software Project Development in .Net			4		50	50	100
	Total	16	2	12	500	150	100	750
6	Software Development Project					150	100	250
Grand Total							3900	

Elective - I
Advance Computer Architecture
Software Testing & Quality Analysis
ERP

Elective - II
Distributed Databases
Bio-Informatics
Neuro & Fuzzy Systems

Note : Electives can be added as per new Technologies.