



SACRED HEART COLLEGE (AUTONOMOUS)

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Ready for
Every Good Work

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

MCA

(Master of Computer Applications)

Sem	Code	Subject Name	L	T	TCP	P	IM	SM	TM	CD
I	MCA140T	Programming in C	4				40	60	100	5
	MCA141T	Internet Concepts and Web Design	4	1			40	60	100	4
	MCA142T	Computer Organization and Architecture	4	1			40	60	100	4
	MCA143T	Business Process	4		2		40	60	100	5
	MCA144P	Practical: C				5	40	60	100	3
	MCA145P	Practical: Web Programming				5	40	60	100	3
			16	2	2	10	240	360	600	24
II	MCA240T	Optimization Techniques	4	1			40	60	100	4
	MCA241T	Object Oriented Programming with C++	3	1			40	60	100	3
	MCA242T	Data Structures	3	1			40	60	100	3
	MCA243T	Operating Systems	4		1		40	60	100	5
	MCA244P	Practical: C++				6	40	60	100	3
	MCA245P	Practical: Data Structures				6	40	60	100	3
			14	3	1	12	240	360	600	22
III	MCA340T	Computer Networks	3	1			40	60	100	4
	MCA341T	Database Management Systems	3				40	60	100	3
	MCA342T	Software Engineering	3	1			40	60	100	4
	MCA343T	Enterprise Applications with Java	3				40	60	100	3
	MCA344T	XML and Web Services	4		1		40	60	100	5
	MCA345P	DBMS Practical				6	40	60	100	3
	MCA346P	Java Practical				6	40	60	100	3
			18	2	1	12	320	480	800	25
	MCA440T	Linux and Network Programming	5		1		40	60	100	5
	MCA441T	Enterprise Applications using .NET	3				40	60	100	3
	MCA442T	Software Testing and Quality Assurance	4				40	60	100	3
	MCA443T	Design and Analysis of Algorithms	3	1			40	60	100	4

IV	MCA444#	Elective I	3	1			40	60	100	3
	MCA445P	.NET Practical				4	40	60	100	3
	MCA446J	Software Project I				4		100	100	4
	VE1003	Human Rights in India	2				40	60	100	1
			18	2	1	8	240	460	700	26
V	MCA540T	Computer Graphics and Animation	5		1		40	60	100	5
	MCA541T	Data and Information Security	3	2			40	60	100	3
	MCA542T	Open Source Technologies	4				40	60	100	3
	MCA543#	Elective II	3		2		40	60	100	3
	MCA544#	Elective III	3				40	60	100	3
	MCA545P	Open Source Practical				4	40	60	100	3
	MCA546J	Software Project II				6		100	100	4
			18	2	3	10	240	460	700	24
VI	MCA640J	Software Project III				30		100	100	15
						30		100	100	15
* Total Credits										135

MCA Programme Structure for Lateral Entry Students

Sem	Code	Subject Name	L	T	TCP	P	IM	SM	TM	CD
III	MCA340T	Computer Networks	3	1			40	60	100	4
	MCA341T	Database Management Systems	3				40	60	100	3
	MCA342T	Software Engineering	3	1			40	60	100	4
	MCA343T	Enterprise Applications with Java	3				40	60	100	3
	MCA344T	XML and Web Services	4		1		40	60	100	5
	MCA345P	DBMS Practical				6	40	60	100	3
	MCA346P	Java Practical				6	40	60	100	3
			18	2	1	12	320	480	800	25
IV	MCA440T	Linux and Network Programming	5		1		40	60	100	5
	MCA441T	Enterprise Applications using .NET	3				40	60	100	3
	MCA442T	Software Testing and Quality Assurance	4				40	60	100	3
	MCA443T	Design and Analysis of Algorithms	3	1			40	60	100	4
	MCA444#	Elective I	3	1			40	60	100	3
	MCA445P	.NET Practical				4	40	60	100	3
	MCA446J	Software Project I				4		100	100	4
	VE1003	Human Rights in India	2				40	60	100	1
			18	2	1	8	240	460	700	26
	MCA540T	Computer Graphics and Animation	5		1		40	60	100	5

V	MCA541T	Data and Information Security	3	2			40	60	100	3
	MCA542T	Open Source Technologies	4				40	60	100	3
	MCA543#	Elective II	3		2		40	60	100	3
	MCA544#	Elective III	3				40	60	100	3
	MCA545P	Open Source Practical				4	40	60	100	3
	MCA546J	Software Project II				6		100	100	4
			18	2	3	10	240	460	700	24
VI	MCA640J	Software Project III				30		100	100	15
						30		100	100	15
* Total Credits										90