

RATHINAM COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

Scheme of Curriculum for M.Sc Computer Science for the Batch admitted during 2017-2018 Onwards

Sem	Part	Type	Sub Code	Subject	Credit	Per Week	CIA	ESE	Total	Exam Hours
1	3	Theory	17MCS13A	Core– I – Object Oriented Programming using C++	4	7	40	60	100	3
1	3	Theory	17MCS13B	Core– II – Analysis and Design of Algorithm	4	7	40	60	100	3
1	3	Theory	17MCS13C	Core– III – Computer Networks	4	6	40	60	100	3
1	3	Practical	17MCS13P	Core Practical – I – Object Oriented Programming & Algorithm Lab	4	5	40	60	100	3
1	3	Practical	17MCS13Q	Core Practical – II – Network Lab	4	5	40	60	100	3
2	3	Theory	17MCS23A	Core Theory – IV - Web Technology	4	5	40	60	100	3
2	3	Theory	17MCS23B	Core Theory – V –Software Engineering	4	5	40	60	100	3
2	3	Theory	17MCS23C	Core– VI - Information Security and Cyber Law	4	5	40	60	100	3
2	3	Theory	17MCS23D	Core– VII –Java Programming	4	5	40	60	100	3
2	3	Practical	17MCS23P	Core Practical – III – Web Technology Lab	4	5	40	60	100	3
2	3	Practical	17MCS23Q	Core Practical – IV – Java Programming Lab	4	5	40	60	100	3
3	3	Theory	17MCS33A	Core– VIII - Mobile Application Development	4	6	40	60	100	3
3	3	Theory	ELE1	Elective - I	4	6	40	60	100	3
3	3	Theory	ELE2	Elective - II	4	6	40	60	100	3
3	3	Practical	17MCS33P	Core Practical – IV - Mobile Application Development Lab	4	6	40	60	100	3
3	3	Practical	17MCS3EP	Core Practical V – Elective Lab-I	4	6	40	60	100	3
3	3	Practical	17MCS33V	Core Practical – VI – Industrial Training Report	2	-	50	-	50	3
4	3	Theory	17MCS43A	Core Theory – IX - Advanced RDBMS	4	5	40	60	100	3
4	3	Theory	ELE3	Elective- III	4	5	40	60	100	3
4	3	Theory	ELE4	Elective- IV	4	5	40	60	100	3
4	3	Practical	17MCS43P	Core Practical – VII – Elective Lab -II	4	5	40	60	100	3
4	3	Project	17MCS43V	Core Project	8	10	80	120	200	3
TOTAL					90	120	930	1320	2250	

Elective	Sub code	Subject
Elective-I	17MCS3EA	Cryptography
	17MCS3EB	Data Mining
	17MCS3EC	Principles of Multimedia
	17MCS3ED	Software Testing
	17MCS3EE	Information Storage Management System
Elective-II	17MCS3EF	TCP / IP Protocol Suite
	17MCS3EG	R Programming
	17MCS3EH	3D Animation Essentials
	17MCS3EI	Software Quality Assurance
	17MCS3EJ	Grid Computing
Elective-III	17MCS4EA	Wireless Sensor Network
	17MCS4EB	Big Data Analytics
	17MCS4EC	Learning Maya 2
	17MCS4ED	Tools for Software Testing
	17MCS4EE	Cloud Computing
Elective-IV	17MCS4EF	Adhoc Network
	17MCS4EG	Hadoop Programming
	17MCS4EH	Adobe illustrator & After Effects
	17MCS4EI	Agile Testing
	17MCS4EJ	Cloud Infrastructure Services