



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati

Department of Master of Computer Applications

Approved Course Structure

Program: MCA- Master of Computer Applications
Regulations: SVEC-19

S. No	Course Code	Course Title	Contact hours per Week				C	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA I- Semester										
1.	19MC1HS01	Financial and Management Accounting	4	-	-	4	4	40	60	100
2.	19MC10101	Computer Organization	4	-	-	4	4	40	60	100
3.	19MC10102	Mathematical Foundations of Computer Science	3	1	-	4	4	40	60	100
4.	19MC10103	Operating Systems	4	-	-	4	4	40	60	100
5.	19MC10104	Programming in C	4	-	-	4	4	40	60	100
6.	19MC1HS31	Communicative English Lab	-	-	3	3	1.5	50	50	100
7.	19MC10131	PC Software Lab	-	-	3	3	1.5	50	50	100
8.	19MC10132	Programming in C Lab	-	-	3	3	1.5	50	50	100
TOTAL			19	1	9	29	24.5	350	450	800

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			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA II- Semester										
1.	19MC2BS01	Probability and Statistics	3	1	-	4	4	40	60	100
2.	19MC20101	Database Management Systems	4	-	-	4	4	40	60	100
3.	19MC20102	Data Structures	3	1	-	4	4	40	60	100
4.	19MC20103	Object Oriented Programming through JAVA	3	1	-	4	4	40	60	100
5.	19MC20104	Software Engineering	4	-	-	4	4	40	60	100
6.	19MC20131	Database Management Systems Lab	-	-	3	3	1.5	50	50	100
7.	19MC20132	Data Structures Lab	-	-	3	3	1.5	50	50	100
8.	19MC20133	Object Oriented Programming through JAVA Lab	-	-	3	3	1.5	50	50	100
TOTAL			17	3	9	29	24.5	350	450	800

S. No	Course Code	Course Title	Contact hours per Week				C	Scheme of Examination Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA III- Semester										
1.	19MC3HS01	Organizational Behavior and Human Resource Management	4	-	-	4	4	40	60	100
2.	19MC3BS01	Operations Research	4	-	-	4	4	40	60	100
3.	19MC30101	Computer Networks	4	-	-	4	4	40	60	100
4.	19MC30102	Data Warehousing and Data Mining	4	-	-	4	4	40	60	100
5.	19MC30103	Python Programming	3	1	-	4	4	40	60	100
6.	19MC30131	Computer Networks Lab	-	-	3	3	1.5	50	50	100
7.	19MC30132	Data Warehousing and Data Mining Lab	-	-	3	3	1.5	50	50	100
8.	19MC30133	Python Programming Lab	-	-	3	3	1.5	50	50	100
TOTAL			19	1	9	29	24.5	350	450	800

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			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA IV- Semester										
1.	19MC40101	Object Oriented Analysis and Design	3	1	-	4	4	40	60	100
2.	19MC40102	LINUX Programming	3	1	-	4	4	40	60	100
3.	19MC40103	Web Programming	3	1	-	4	4	40	60	100
Professional Elective - I										
4.	19MC40104	Block Chain Technologies	4	-	-	4	4	40	60	100
	19MC40105	Multimedia Application Development								
	19MC40106	Information Security								
	19MC40107	Software Project Management								
Professional Elective - II										
5.	19MC40108	Information Retrieval Systems	4	-	-	4	4	40	60	100
	19MC40109	Artificial Intelligence								
	19MC40110	Cyber Security								
	19MC40111	Service Oriented Architecture								
6.	19MC4HS31	Soft Skills Lab	-	-	3	3	1.5	50	50	100
7.	19MC40131	Object Oriented Analysis and Design Lab	-	-	3	3	1.5	50	50	100
8.	19MC40132	LINUX and Web Programming Lab	-	-	3	3	1.5	50	50	100
TOTAL			17	3	9	29	24.5	350	450	800


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S. No	Course Code	Course Title	Contact hours per Week				C	Scheme of Examinations Max. Marks		
			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA V- Semester										
1.	19MC50101	Cloud Computing	4	-	-	4	4	40	60	100
2.	19MC50102	Data Analytics	4	-	-	4	4	40	60	100
3.	19MC50103	Mobile Application Development	4	-	-	4	4	40	60	100
4.	Professional Elective - III		4	-	-	4	4	40	60	100
	19MC50104	Data Visualization								
	19MC50105	.Net Technologies								
	19MC50106	Social Networks								
5.	Professional Elective - IV		4	-	-	4	4	40	60	100
	19MC50108	M-Commerce								
	19MC50109	Machine Learning								
	19MC50110	Internet of Things								
	19MC50111	Software Security								
6.	19MC50131	Cloud Computing Lab	-	-	3	3	1.5	50	50	100
7.	19MC50132	Data Analytics Lab	-	-	3	3	1.5	50	50	100
8.	19MC50133	Internship	-	-	-	-	2	-	100	100
TOTAL			20	-	6	26	25	300	500	800

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			L	T	P	Total		Int. Marks	Ext. Marks	Total
MCA VI- Semester										
1.	19MC6MOOC	Open Elective (MOOC)	-	-	-	-	3	-	100	100
2.	19MC60131	Seminar	-	-	-	-	2	-	100	100
3.	19MC60132	Project Work	-	-	-	-	12	100	100	200
TOTAL			-	-	-	-	17	100	300	400

TOTAL No. OF CREDITS : 140
TOTAL MARKS : 4400


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