



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-20


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.	20MC1BS01	Computer Oriented Statistical Techniques	3	1	-	4	4	40	60	100
2.	20MC10101	Computer Networks	4	-	-	4	4	40	60	100
3.	20MC10102	Database Management Systems	4	-	-	4	4	40	60	100
4.	20MC10103	Data Structures and Algorithms	3	1	-	4	4	40	60	100
5.	20MC10104	Python Programming	3	1	-	4	4	40	60	100
6.	20MC1HS31	Communicative English Lab	-	-	3	3	1.5	50	50	100
7.	20MC10131	Database Management Systems Lab	-	-	3	3	1.5	50	50	100
8.	20MC10132	Data Structures and Python Programming 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 II- Semester										
1.	20MC2HS01	Financial and Management Accounting	4	-	-	4	4	40	60	100
2.	20MC20101	Data Warehousing and Data Mining	4	-	-	4	4	40	60	100
3.	20MC20102	Object Oriented Programming through JAVA	4	-	-	4	4	40	60	100
Professional Elective –I										
4.	20MC20103	Cryptography and Network Security	4	-	-	4	4	40	60	100
	20MC20104	M-Commerce								
	20MC20105	Multimedia Application Development								
	20MC20106	R Programming								
	20MC20107	Software Engineering								
Professional Elective –II										
5.	20MC20108	Cyber Security	4	-	-	4	4	40	60	100
	20MC20109	Machine Learning								
	20MC20110	Mobile Application Development								
	20MC20111	Programming with C#								
	20MC20112	Software Testing and Quality Assurance								
6.	20MC20131	Data Warehousing and Data Mining Lab	-	-	3	3	1.5	50	50	100
7.	20MC20132	LINUX Programming Lab	-	-	3	3	1.5	50	50	100
8.	20MC20133	Object Oriented Programming through JAVA Lab	-	-	3	3	1.5	50	50	100
TOTAL			20	-	9	29	24.5	350	450	800
9.	20MC2AC01	Server Side Development with NodeJS	-	-	2	2	-	-	-	-

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.	20MC30101	Cloud Computing	4	-	-	4	4	40	60	100
2.	20MC30102	Data Analytics	4	-	-	4	4	40	60	100
3.	20MC30103	Web Programming	4	-	-	4	4	40	60	100
4.	Professional Elective - III		4	-	-	4	4	40	60	100
	20MC30104	Artificial Intelligence								
	20MC30105	Block Chain Technologies								
	20MC30106	DevOps Application Development								
	20MC30107	Programming with AngularJS								
20MC30108	Software Project Management									
5.	Professional Elective - IV		4	-	-	4	4	40	60	100
	20MC30109	Computer Oriented Optimization Techniques								
	20MC30110	Full Stack Development								
	20MC30111	Internet of Things								
	20MC30112	Programming in Ruby								
20MC30113	User Interface Design									
6.	20MC3HS31	Soft Skills Lab	-	-	2	2	1	50	50	100
7.	20MC30131	Cloud Computing and Data Analytics Lab	-	-	3	3	1.5	50	50	100
8.	20MC30132	Web Programming Lab	-	-	3	3	1.5	50	50	100
9.	20MC30133	Internship	-	-	-	-	2	-	100	100
TOTAL			20	-	8	28	26	350	550	900

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 IV- Semester										
1.	20MC4MOOC	Open Elective (MOOC)	-	-	-	-	3	-	100	100
2.	20MC40131	Project Work	-	-	-	-	12	100	100	200
TOTAL			-	-	-	-	15	100	200	300

TOTAL No. OF CREDITS: 90
TOTAL MARKS: 2800


DEAN (Academics)
Dean (Academics)
Sree Vidyanikethan Engg. College
Sree Sainath Nagar
TIRUPATI - 517 102, A.P., India,


PRINCIPAL
PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA.