V.S.M. COLLEGE (AUTONOMOUS)

RAMACHANDRAPURAM

NAAC Re-accredited with 'B' Grade at 2.69 CGPA

(Affiliated to Adikavi Nannnaya University, Rajamahendravaram

MCA

COURSE STRUCTURE

(W.e.f. admitted batch 2019 –20)

Branch/Course: Master of Computer Applications(w.e.f. 2020)

Course Structure

Semester I (First Year) Curriculum

Code	Course Title	Max Marks		Total Marks	Hours per week		Credits
		External	Internal		Theory	Practical	
PG1915101	Discrete Mathematical Structures	75	25	100	4	-	4
PG1915102	Management Accountancy	75	25	100	4	-	4
PG1915103	C Programming & Data Structures	75	25	100	4	-	4
PG1915104	Computer Organization	75	25	100	4	-	4
PG1915105	Operating Systems	75	25	100	4	-	4
PG1915106	Design & Analysis of Algorithms	75	25	100	4	-	4
PG1915103P	C Programming & Data Structures Lab	50	50	100	-	3	2
PG1915105P	Operating Systems and Computer OrganizationLab	50	50	100	-	3	2
PG1915107	Skill Development Course/ MOOCS	50	50	100	-	3	2
PG1915108	**Bridge Course*** Fundamentals of Computers (For General B.Sc/B.A./B.Com Students)	75	25	100	4	-	4
PG1915108p	**Bridge Course Lab*** Fundamentals of Computers Lab (For General B.Sc/B.A./B.Com Students)	50	50	100	-	3	2
	Total Credits						30

Note: All the General B.Sc/B.A./B.Com Students must pass the **Bridge Course and Bridge Course Lab** with minimum 50% marks, but the credits allotted for that courses will not be considered for SGPA calculation.

Semester II (First Year) Curriculum

Code	Course Title	Max Marks		Total Marks	Hours per week		Credits
		External	Internal		Theory	Practical	
PG1925109	Computer Networks	75	25	100	4	-	4
PG1925110	Object Oriented Programming through JAVA	75	25	100	4	-	4
PG1925111	Database Management Systems	75	25	100	4	-	4
PG1925112	Formal Languages and Automata Theory	75	25	100	4	-	4
PG1925113	Data Mining Concepts and Techniques	75	25	100	4	-	4
PG1915114 **PG1915115** **PG1915116**	Elective-I 1.Artificial Intelligence and Expert Systems 2.Internet of Things 3.Image Processing	75	25	100	4	-	4
PG1915110P	Object Oriented Programming through JAVA Lab	50	50	100	-	3	2
PG1915111P	Database Management Systems Lab	50	50	100	-	3	2
PG1915117	Skill Development Course with Python	50	50	100	1	2	2
				Total Credits			30

Note:2 lab Hrs and 1 Theory Hrs/Week or 2 Theory Hrs/ Week for Skill Development Course and only Lab Exam will be conducted

Summer Internship (Mandatory) after First Year (to be evaluated during IIIsemester).