

Samrat Ashok Technological Institute, Vidisha

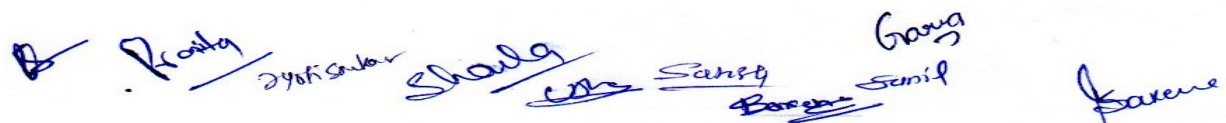
Scheme of Examination

(2025-2027)

Master of Computer Applications (2 Years)

Semester-I

S. No	Subject Code	Subject Name	Periods Per Week			Maximum Marks (Theory)			Maximum Marks (Practical)		Total Marks	Credits
			L	T	P	End sem. Exam.	Mid Sem	Assignments/ Quiz	End Sem. Practical Viva	Practical records/Assignments/ Seminar		
1	MCA-101	Computer Organization & Architecture	3	1	-	60	20	20	-	-	100	4
2	MCA-102	C Language	3	1	-	60	20	20	-	-	100	4
3	MCA-103	Operating system	3	1	-	60	20	20	-	-	100	4
4	MCA-104	DBMS	3	1	-	60	20	20	-	-	100	4
5	MCA-105	Mathematical Foundation of Computer Science	3	1	-	60	20	20	-	-	100	4
6	MCA-106	Programming Lab-I (Problem Solving)	-	-	6	-	-	-	100	50	150	6
7	MCA-107	Micro Project-I	-	-	4	-	-	-	60	40	100	4
		Total	15	5	10	300	100	100	160	90	750	30

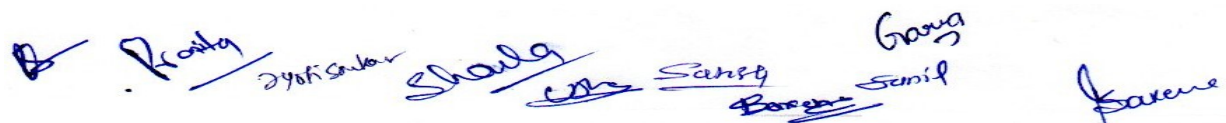


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Semester -II

S. No	Subject Code	Subject Name	Periods Per Week			Maximum Marks (Theory)			Maximum Marks (Practical)		Total Marks	Credits
			L	T	P	End sem. Exam.	Mid Sem.	Assignment s/ Quiz	End Sem. Practical Viva	Practical records/Assignments/Seminar		
1	MCA-201	Data Structures	3	1	-	60	20	20	-	-	100	4
2	MCA-202	Software Engineering	3	1	-	60	20	20	-	-	100	4
3	MCA-203	Object Oriented Programming in C++	3	1	-	60	20	20	-	-	100	4
4	MCA-204	Data Science	3	1	-	60	20	20	-	-	100	4
5	MCA-205	Elective-I	3	1	-	60	20	20	-	-	100	4
6	MCA-206	Case Studies & Micro Project-II	-	-	6	-	-	-	100	50	150	6
7	MCA-207	Programming Lab-II (Data Structure Using C++)	-	-	4	-	-	-	60	40	100	4
		Total	15	5	10	300	100	100	160	90	750	30



Elective-I
Computer Graphics
Statistical Computing Technique
Compiler Design
Financial Management
Project Management

 Pratik
 2406/2024
 Shailg
 Sanjay
 Ganga
 Sanil
 Barone

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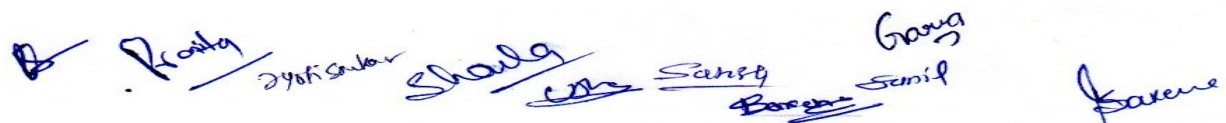
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(2025-2027)

Master of Computer Applications (2 Years)

Semester-III

S. No	Subject Code	Subject Name	Periods Per Week			Maximum Marks (Theory)			Maximum Marks (Practical)		Total Marks	Credits
			L	T	P	End sem. Exam.	Mid Sem.	Assignments/Quiz	End Sem. Practical Viva	Practical records/Assignments/Seminar		
1	MCA-301	Computer Networks & Internet Protocol	3	1	-	60	20	20	-	-	100	4
2	MCA-302	Artificial Intelligence & Machine Learning	3	1	-	60	20	20	-	-	100	4
3	MCA-303	Analysis & Design of Algorithm	3	1	-	60	20	20	-	-	100	4
4	MCA-304	Elective-II	3	1	-	60	20	20	-	-	100	4
5	MCA-305	Elective-III	3	1	-	60	20	20	-	-	100	4
6	MCA-306	Minor Project	-	-	6	-	-	-	100	50	150	6
7	MCA-307	Case Studies & Micro Project-III	-	-	4	-	-	-	60	40	100	4
		Total	15	5	10	300	100	100	160	90	750	30



Elective-II	Elective-III
Cloud Computing	Java Technologies
IoT	Deep Learning.
Soft Computing	Big Data analytics
Block Chain	Advance DBMS
Mobile Application Development	E Commerce & Information Security
Python Programming	Digital Image Processing

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Semester -IV

S. No	Subject Code	Subject Name	Periods Per Week			Maximum Marks (Theory)			Maximum Marks (Practical)		Total Marks	Credits
			L	T	P	End sem. Exam.	Mid Sem.	Assignment s/ Quiz	End Sem. Practical Viva	Practical records/Assignments/ Seminar		
1	MCA-401	Major Project	-	-	30	-	-	-	300	200	500	30
		Total	-	-	30	-	-	-	300	200	500	30

