

MCA (2025-2027)**MASTER OF COMPUTER APPLICATION****SEMESTER I**

S. No.	Code	Course Title	Credit
1	3CIT101	Advance DatabaseManagement System	3
2	3CIT102	Operating System	3
3	3CIT103	Computer Organization & Architecture	3
4	3CIT104	Advance Data structure	3
5	3CMT101	Discrete Mathematics	4
6	3CHSMC101	Soft Skills and Interpersonal Communication	2
7	3CMVAC101	Character Building & Holistic Development of Personality-I	2
PRACTICAL /SESSIONAL			
1	3CIT101P	Advance Database Management System Lab	2
2	3CIT104P	Advance Data structure Lab	2
			24

SEMESTER II

S. No.	Code	Course Title	Credit
1	3CIT105	Java Programming	3
2	3CIT106	Computer Communication Networks	4
3	3CIT107	Theory of Computation	3
4	3CIT108	Software Engineering	4
5	3CMT102	Optimization Techniques Linear Programming	4
6		Departmental Elective I	4
7	3CHSMC102	Professional Skills	2
8	3CMVAC102	Character Building & Holistic Development of Personality-II	2
PRACTICAL /SESSIONAL			
1	3CIT105P	Java Programming Lab	2
			28

SEMESTER III

S. No.	Code	Course Title	Credit
1	3CIT201	Artificial Intelligence	3
2	3CIT202	Data Mining and Warehousing	4
3	3CIT203	Python Programming	3
4		Departmental Elective II	4
5	3CMVAC201	Character Building & Holistic Development of Personality-III	2
PRACTICAL /SESSIONAL			
1	3CIT201P	Artificial Intelligence Lab	2
2	3CIT203P	Python Programming Lab	2
3	3CPROJ201	Project-I	4
			24

SEMESTER IV

S. No.	Code	Course Title	Credit
PRACTICAL /SESSIONAL			
1	3CPROJ202	Project-II	20
2	3CMVAC202	Character Building & Holistic Development of Personality-IV	2
3	3CMUMC101	Managing Personal Finance##	0
			22

** NOTE: Qualifying Non Credit Course

NOTE: 20% credit earned through MOOC(SWAYAM) in the course

Departmental Electives(Select any one in sem 2 and sem 3)

	Code	Course Title	Credit
	3CITE201	System Analysis & Simulation	4
	3CITE202	Computer Graphics	4
	3CITE203	Soft Computing	4
	3CITE204	Distributed Database	4

	3CITE301	Internet and Website Management	4
	3CITE302	Image Processing	4
	3CITE303	Parallel programming	4
	3CITE 304	Basics of Machine Learning	4
	3CITE 305	Compiler Design	4

The students of MCA can opt for any of the courses offered by the other Departments / Programs in the same semester