

Masters in Computer Application

Programme Code: 10DCAPG01

Semester I		
S No	Course Code	Course Title
1	26MCA011C01	Software Engineering and Project Management
2	26MCA011C02	Advance Computer Networking
3	26MCA011C03	Advanced RDBMS
4	26MCA011C04	Advanced RDBMS Lab
5	26MCA011C05	Advanced Data structures and algorithms using Python
6	26MCA011C06	Advanced Data Structures and Algorithms using Python Lab
7	26MCA011C07	Modern AI and Data Analysis
8	26MCAN11E01	Full Stack Development
9	26MCAN11E02	Full Stack Development Lab
10		Discipline Elective-I
11		Discipline Elective-I Lab

Basket – I Discipline Elective-I		
S. no	Course Code	Course Title
1	26MCA011E03	Network Security and Cryptography
2	26MCA011E04	Network Security and cryptography Lab
3	26MCA011E05	R Programming
4	26MCA011E06	R Programming Lab

Semester II		
S No	Course Code	Course Title
1	26MCA012C01	Machine Learning using Python
2	26MCA012C02	Machine Learning using Python Lab
3	26MCA012C03	Data Warehouse and Business Intelligence
4	26MCA012C04	Soft Computing
5	26MCA012C05	Research Methodology & Project Proposal
6	26MCA012C06	Theory of Computation
7	26MCAI12E01	Advance Operating System
8	26MCAI12E02	Linux Administration
9		Discipline Elective-I
10		Discipline Elective-I Lab

***Summer Term Training (45 days) will be evaluated in Semester III**

Basket – II Discipline Elective-II		
S. no	Course Code	Course Title
1	26MCA012E03	Blockchain Technologies
2	26MCA012E04	Blockchain Technologies Lab
3	26MCA012E05	Computer Graphics and Visualization
4	26MCA012C06	Computer Graphics and Visualization Lab

Semester III		
S No	Course Code	Course Title
1	26MCA023C01	Digital Image Processing
2	26MCA023C02	Digital Image Processing Lab
3	26MCA023C03	Advanced Java Programming
4	26MCA023C04	Advanced Java programming Lab
5	26MCA023C05	Software Testing & Quality Assurance
6	26MCA023C06	Software Testing & Quality Assurance Lab
7	26MCA023C07	Discrete Structure and Optimization
8	26MCAN23E01	MERN Stack
9	26MCAN23E02	MERN Stack Lab
10	26MCA023C08	Summer Training Evaluation
11		Discipline Elective-I
12		Discipline Elective-I Lab
13	26MCA023C09	Minor Project
Optional to choose (Non-Credit Course)		
14	26PRDV0AEC1	Professional Development

* Professional Development is an optional, non-credit course. Evaluation shall be on a Satisfactory/Unsatisfactory basis

Basket – III Discipline Elective-III		
S. no	Course Code	Course Title
1	26MCA023E03	IOT and Robotics
2	26MCA023E04	IOT and Robotics Lab
3	26MCA023E05	Data Science
4	26MCA023E06	Data Science Lab

Semester IV

S No	Course Code	Course Title
1	26MCA024C01	Major Project
2	26MCA024C02	Industrial Training