Master of Computer Applications (MCA) (572)

This programme will equip students with knowledge highly relevant to emerging technologies. This programme will be an opportunity for graduates and professionals from a wide range of disciplines to develop IT Applications, Our goal is to develop into lively, trained computer professionals capable working in variety of domains and able to meet the business challenges and reap the rewards of varian; business scenario.

Programme Objectives

This programme will provide training in core subjects, skill, embedded in a disciplinary context provided by the pathway, students will develop:

- Computational and project design skill
- Computer Application Skills & Technologies
- Data transformation skill and knowledge

Prerequisite / Eligibility

- BCA/BBA-IT/Any Bachelor degree in computer Science/Applications
- Computer Science / IT (BCS, B.Sc. Computer / IT / Electronics)
- Minimum 55% Score obtained in Graduation from any recognized university
- Clearance in entrance test is mandatory

Duration : 2 years (Four Semesters)

Student Intake : 60

Medium : English

Structure of Entrance Test

1) **Structure**

Section	Subject	Marks
1	Mathematics	25
2	Computer Basics	25
3	English	25
4	Aptitude	25
	Total	**100**

2) **Medium** : **English**
3) **Duration** : **90 Minutes**
4) **Nature** : **Multiple Choice**
5) **Total Questions** : **100 Questions**
6) **Entrance Test Form Fee** : **Rs. 500/-**

Fee Structure for the Year 2025 - 26

Master of Computer Applications (572)

Academic Year	Eligibility	Admission	Examination	Tuition	Laboratory / Practical	Library	Other (Transport)	Total
First Year	1,000	2,000	4,000	48,000	22,500	500	-	**78,000**
Second Year	-	2,000	4,000	52,000	22,500	500	-	**81,000**
Dir.2 nd Yr	1,000	2,000	4,000	52,000	22,500	500	-	**82,000**

Library Deposit : Refundable Rs. 2000/-(2 books) to be paid separately.

Caution Deposit : 5000/-

Late fee : **1500/- (Admission fees) After 16th August 2025**

Value added Input

- Various skill Development Courses
- Exclusive Cyber Security Courses For TMV Students at a reasonable cost

Scope & Career Opportunities :

This course will accelerate your career towards the future of analytics. This course starts from fundamentals in Data Management and Analytics to advanced topics like Big Data. The career options are equally opened in following areas :

- Software Professional
- Software engineer / programmer
- E-commerce companies
- Security and surveillance
- Big Data Analysts
- Data/Computer Scientist
- Consultant
- Project leader
- Program/Project Manager
- Can run own Business

COURSE STRUCTURE (572)

Semester - I

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
MCA24-101	Advanced C programming and Data Structure	Core	3	-	60	40	-	-	100
MCA24-102	Green Computing	DSC	3	-	60	40	-	-	100
MCA24-103	Discrete Mathematics	Core	3	-	60	40	-	-	100
MCA24-104	Advanced Linux & Shell Programming	DSC	3	-	60	40	-	-	100
MCA24-105	Software Engineering	DSC	3	-	60	40	-	-	100
MCA24-106	Research Methodology	DSC	4	-	60	40	-	-	100
MCA24-107	MOOC - I	MOOC	1	-	-	50	-	-	50
MCA24-108	Advanced C programming and Data Structure (PR)	Core-LAB	-	1	-	-	30	20	50
MCA24-109	Advanced Linux & Shell Programming (PR)	DSC-LAB	-	1	-	-	30	20	50
		Total	**22**						**750**

Semester - II

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
MCA24-201	CTIT (Cyber Security + Intro. Block Chain)	Core	3	-	60	40	-	-	100
MCA24-202	Advanced Computer Network	DSC	3	-	60	40	-	-	100
MCA24-203	Django Web Framework	DSC	3	-	60	40	-	-	100
MCA24-204	Project	Core	-	4	-	-	-	100	100
MCA24-205	Internship	OJT	-	4	-	-	-	100	100
MCA24-206	MOOC - II	MOOC	2	-	-	50	-	-	50
MIKS25	Indian Knowledge System - Generic	IKS	2	-	-	50	-	-	50
MCA24-208	Django Web Framework (PR)	DSC-LAB	-	1	-	-	30	20	50
		Total	**22**						**650**

Semester - III

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
MCA24-301	Data Mining & KDD	Core	3	-	60	40	-	-	100
MCA24-302	Data Analytics using Python	DSE	3	-	60	40	-	-	100
OR	OR								
MCA24-303	Cloud Computing								
MCA24-304	Web Application Development using .net	DSE	3	-	60	40	-	-	100
OR	OR								
MCA24-305	Full Stack Development								
MCA24-306	Software Testing and Tools	DSC	2	-	30	20	-	-	50
MCA24-307	Cryptography and Network Security	DSC	3	-	60	40	-	-	100
MCA24-308	Research Project	Core	-	4	-	-	-	100	100
MCA24-309	Data Analytics using Python (PR)	DSE-LAB	-	1	-	-	30	20	50
OR	OR								
MCA24-310	Cloud Computing (PR)								
MCA24-311	Web Application Development using .net (PR)	DSE-LAB	-	1	-	-	30	20	50
OR	OR								
MCA24-312	Full Stack Development (PR)								
MCA24-313	Indian Knowledge System - Computer Science	DSC	2	-	-	50	-	-	50
		Total	**22**						**700**

Semester - IV

Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
			Theory	Practical	External	Internal	External	Internal	
MCA24-401	Artificial Intelligence	Core	3	-	60	40	-	-	100
MCA24-402	Software Project Management	DSC	4	-	60	40	-	-	100
MCA24-403	Research Paper	DSC	2	-	-	50	-	-	50
MCA24-404	Internship	OJT	-	6	-	-	-	200	200
MCA24-405	Research Project	Core	-	6	-	-	-	200	200
MCA24-406	Artificial intelligence (PR)	Core-Lab	-	1	-	-	30	20	50
		Total	**22**						**700**