

Master of Computer Applications M. C. A. (572)

Introduction

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 various business scenario.

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

Unique Features

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

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

Programme Details



Duration : 2 years (Four Semesters)

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

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/-

Student Intake : 60

Medium of Instruction : English

Evaluation : Internal Assessment 40 %, External Assessment 60 %, and Passing 40 %.(Separate passing in both Internal and External Assessment is mandatory)

Pattern : Semester Pattern

Programme Details



Fee Structure for the academic year 2026-27

Academic Year	Eligibility	Admission	Examination	Tuition	Laboratory / Practical	Library	Total
First Year	1,000	3,000	5,000	53,000	22,500	500	85,000
Second Year	-	3,000	5,000	57,500	22,500	500	88,500
Dir.2 nd Yr	1,000	3,000	5,000	57,500	22,500	500	89,500

Library Deposit 2000/-

Caution Deposit 5000/-

Project Plagiarism Checking fee 500/-

Late Admission Fee 1500/- After 31st August, 2026

Multiple Entry–Multiple Exits (MEME) in M. C.A (Regular) (572)

Year Completed	Exit Qualification
1 Year	Post graduate Diploma in Computer Applications
2 Years	MCA

Sr. No.	Year Completed	Exit Qualification	Credits	Skill Course Credits	Internship Credits	Total Credits at exit
1	1 Year (Sem 1–2)	Post graduate Diploma	44	4	NA	48
2	2 Years (Sem 3–4)	Master's Degree	88	NA	NA	88

Rules

- Students can **exit and rejoin later within 4 years** by using previous credits of **ABC** or **APAAR** which are stored.
- A Student will join the program at the same exit point where he / she had left.
- Exit allowed only after **even semesters**; Must complete **required credits**

COURSE STRUCTURE M. C. A. (572)

As per U.G.C. norms Choice Based Credit System is implemented from the academic year 2015-16
Details are available with the department.

M. C. A. (572) SEM I

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA241 01	Advanced C programming and Data Structure	Core	3	-	40	60	-	-	100
2	MCA241 02	Green Computing	DSC	3	-	40	60	-	-	100
3	MCA241 03	Discrete Mathematics	Core	3	-	40	60	-	-	100
4	MCA241 04	Advanced Linux & Shell Programming	DSC	3	-	40	60	-	-	100
5	MCA241 05	Software Engineering	DSC	3	-	40	60	-	-	100
6	MCA24 106	Research Methodology	DSC	4	-	40	60	-	-	100
7	MCA24 107	MOOC - I	MOOC	1	-	50	-	-	-	50
8	MCA24 108	Advanced C programming and Data Structure (PR)	Core-LAB	-	1	-	-	20	30	50
9	MCA24 109	Advanced Linux & Shell Programming (PR)	DSC-LAB	-	1	-	-	20	30	50
Total Courses 9				22		290	360	40	60	750

Programme Details



Semester - II

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA24201	CTIT (Cyber Security + Intro. Block Chain)	Core	3	-	40	60	-	-	100
2	MCA24202	Advanced Computer Network	DSC	3	-	40	60	-	-	100
3	MCA24209	Full Stack Development	DSC	3	-	40	60	-	-	100
4	MCA24204	Project	Core	-	4	-	-	100	-	100
5	MCA24205	Internship	OJT	-	4	-	-	100	-	100
6	MCA24206	MOOC - II	MOOC	2	-	50	-	-	-	50
7	MIKS25	Indian Knowledge System - Generic	IKS	2	-	50	-	-	-	50
8	MCA24210	Full Stack Development (PR)	DSC-LAB	-	1	-	-	20	30	50
Total Courses 8				22		220	180	220	30	650

Programme Details



Semester - III

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA243 01	Data Mining & KDD	Core	3	-	40	60	-	-	100
2	MCA243 02	Data Analytics using Python	DSE	3	-	40	60	-	-	100
	OR	OR								
	MCA243 03	Cloud Computing								
3	MCA243 04	Web Application Development using .net	DSE	3	-	40	60	-	-	100
	OR	OR								
	MCA243 14	Django Web Framework								
4	MCA243 06	Software Testing and Tools	DSC	2	-	20	30	-	-	50
5	MCA243 07	Cryptography and Network Security	DSC	3	-	40	60	-	-	100
6	MCA243 08	Research Project	Research Project	-	4	-	-	100	-	100
7	MCA243 09	Data Analytics using Python (PR)	DSE-Lab	-	1	-	-	20	30	50
	OR	OR								
	MCA243 10	Cloud Computing (PR)								
8	MCA243 11	Web Application Development using .net (PR)	DSE-Lab	-	1	-	-	20	30	50
	OR	OR								
	MCA243 15	Django Web Frameworkt (PR)								
9	MCA243 13	Indian Knowledge System - Computer Science	DSC	2	-	50	-	-	-	50
Total Courses 9				22		230	270	140	60	700

Programme Details



Semester - IV

Sr. No.	Course Code	Course Name	Category	Credit		Theory Marks		Practical Marks		Total Marks
				Theory	Practical	Internal	External	Internal	External	
1	MCA244 01	Artificial Intelligence	Core	3	-	40	60	-	-	100
2	MCA244 02	Software Project Management	DSC	4	-	40	60	-	-	100
3	MCA244 03	Research Paper	Research Paper	2	-	50	-	-	-	50
4	MCA244 04	Internship	OJT	-	6	-	-	200	-	200
5	MCA244 05	Research Project	Research Project	-	6	-	-	80	120	200
6	MCA24 406	Artificial intelligence (PR)	Core-Lab	-	1	-	-	20	30	50
Total Courses 6				22		130	120	300	150	700