



MASTER IN COMPUTER APPLICATION (MCA)

Admission Qualification:

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University with mathematics in 10+2

OR

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University have completed their 6 months course in IT/Computer Applications.

Program Duration:

Minimum Duration – 3 years

Maximum Duration – 6 years

Lateral Entry to Second Semester of MCA:

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed four semesters of GNIIT or 2 year certificate course from any recognized institution.

Lateral Entry to Third Semester of MCA:

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed PGDCA /PGDIT from a recognised University or BE(CS /IT) or GNIIT or PGDCA from Cal-C or BCA/BSc(CS) from a recognised University.

Lateral Entry to Fifth Semester of MCA:

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed MSc (IT/CS) from a recognised University.

Exit Scheme of MCA:

After successful completion of first two semesters of MCA, the candidate shall be eligible to obtain a **Post Graduate Diploma in Computer Applications (PGDCA)**.

After successful completion of first four semesters of MCA, the candidate shall be eligible to obtain **Advanced Diploma in Computer Applications (ADCA)**.

Note: The student who will opt for lateral exit will not be able to continue this programme.



PROGRAM STRUCTURE

Subject Code	Subject	Credits	Subject Code	Subject	Credits
1st Semester			2nd Semester		
MCA11	Mathematics	4	MCA21	Discrete Mathematics	4
MCA12	Data Structure	4	MCA22	DBMS	4
MCA13	Programming in C	4	MCA23	OOPS with C++	4
MCA14	Financial Accounting	4	MCA24	Computer Organization and Architecture	4
MCA15-L	C Programming and Windows Based Application(Lab)	1	MCA25-L	DBMS (Lab)	1
MCA16-L	Data Structure (Lab)	1	MCA26-L	OOPS (C++) Lab	1
Total Credits		18	Total Credits		18
3rd Semester			4th Semester		
MCA31	Data Communication	4	MCA41	Advanced Software Engineering	4
MCA32	Advanced Computer Graphics	4	MCA42	Analysis and Design of Algorithm	4
MCA33	Advanced Operating Systems	4	MCA43	Advanced Java Programming	4
MCA34	Unix and Shell Programming	4	MCA44	System Programming	4
MCA35-L	Unix (Lab)	1	MCA45-L	RDBMS (Lab)	1
MCA36-L	Operating System (Lab)	1	MCA46-L	Advanced Java Programming (Lab)	1
Total Credits		18	Total Credits		18
5th Semester			6th Semester		
MCA51	Advanced Computer Network and Security	4	MCA61	Advanced MIS and E-Commerce	4
MCA52	Internet Programming and Web Designing	4	MCA62 Elective (Any One)		4
MCA53	Data Warehousing and Data Mining	4	MCA62-1	(1) Mobile Computing and Communication	
MCA54 Elective-1 (Any One)		4	MCA62-2	(2) Operation Research	
MCA54-1	(1) Computer Design		MCA62-3	(3) Artificial Intelligence	
MCA54-2	(2) Pattern Recognition		MCA63 Elective (Any One)		4
MCA54-3	(3) Client Server Architecture		MCA63-1	(1) Simulation and Modeling	
MCA55-L	Graphics (Lab)	1	MCA63-2	(2) Advance Computer Architecture	
MCA56-L	Web Designing/Internet (Lab)	1	MCA63-3	(3) Network Management	
Total Credits		18	MCA64	Project	6
Total Credits		18	Total Credits		18

Note: In 5th Semester and 6th Semester the candidate has to opt for one of the elective subjects out of the three provided along with the core courses. The candidate shall continue with the same elective in the 6th Semester as opted in the 5th Semester..

Semester wise Fee Structure

Program / Tuition Fees	: Rs. 8000/-
Examination Fees	: Rs. 2000/-
Registration Fees (At the time of admission only)	: Rs. 500/-
Total Fees: First Time Registration (Without Late/Penal Fees)	: Rs. 10500/-
Subsequent Registrations (Without Late/Penal Fees)	: Rs. 10000/-