Master of Computer Applications   Programme Code (MCA)

Objectives:

- To give the learners knowledge of advanced computer subjects including software and hardware.

- To enable the learners get a better job in computer industry. The jobs may include System Analysts, Programmers and Technical Facilitators in the industries and teaching posts in colleges and universities.

- To enable the learners to work as system managers and hardware engineers in IT industries.

Eligibility: Bachelors Degree (TDC) from any recognized university/ institution in any discipline or its equivalent.

Lateral Entry: Students having the following qualifications will be admitted directly in the MCA Second Year through Lateral Entry

Bachelors Degree (TDC) from any recognized university / institution and have passed PGDCA / DOEACC 'A" level/ PGDIT / BCA / B. Sc (IT) / B. Sc (CS) / B. Tech (IT) etc.

Students having the following qualifications will be admitted directly in the MCA Third Year

ADCA / M.Sc. (CS) / M.Sc. (IT) from any recognized university /institution.

Duration: Minimum 3 years; Maximum 6 years
For lateral entry in MCA-II year, Minimum 2 years; Maximum 4 years
For lateral entry in MCA-III year, Minimum 1 year; Maximum 2 years

Credit: 120

Fee*: MCA I - Rs. 18,000/- MCA II - Fees Rs. 18,000/-MCA III -Year; Rs. 18,000/-

*Prospectus fee Rs. 500/- , Examination Fee Rs. 5oo/- , Back Exam fee (if any) Rs 500/- will be payable extra

Programme Structure: Master of Computer Applications (MCA) - I Year

S. No.	Paper Code	Paper Title	Credit
1	MCA-101	Fundamental of Computer	4
2	MCA-102	PC Software	4
3	MCA-103	Database Management System	4
4	MCA-104	Programming in 'C' & Data Structure	4
5	MCA-105	Operating System Principle	4
6	MCA-106	Computer Networks & Internet Concept	4
7	MCA-107	System Analysis & Design	4
8	MCA-108	OOP's Programming Using in 'C++'	4
Practical Papers			
9	MCA-109	Practical Based on PC Software Lab.	4
10	MCA-110	Practical Based on 'C' Programming Lab.	4

Master of Computer Applications (MCA) - II Year

S. No.	Paper Code	Paper Title	Credit
1	MCA-201	Software Engineering	4
2	MCA-202	Artificial Intelligence	4
3	MCA-203	Discrete Mathematics	4
4	MCA-204	Programming in Java	4
5	MCA-205	Computer Graphics	4
6	MCA-206	Web Technology	4
7	MCA-207	Computerized Financial Accounting	4
8	MCA-208	Computer Architecture	4
Practical Papers			
9	MCA-209	Practical Based on Java	4
10	MCA-210	Practical Based on Web Technology	4

Master of Computer Applications (MCA) - III Year

S. No.	Paper Code	Paper Title	Credit
1	MCA-301	Dot Net Framework (Using C#)	4
2	MCA-302	RDBMS (Oracle)	4
3	MCA-303	Data Mining	4
4	MCA-304	ERP System	4
5	MCA-305	Project Report	16
Practical Papers			
6	MCA-306	Practical Based on ASP.NET (C#)	4
7	MCA-307	Practical Based on Oracle	4

Evaluation & Examinations:

Internal Assignment: The internal assignment shall be of 30 marks. Two assignments will be given in each course. The internal assignment shall be submitted to the concerned IGC for onward submission to the University. Marks Obtained in assignments shall be shown separately in the Mark sheet. In project Report writing (MCA-305) there will be no Internal Assignment.

Term-End-Examination: There shall be a term-end-examination at the end of the minimum duration of the study i.e. one year. It carries a weightage of 70% marks. Term-End-Examination will be held in the months of June and December every year. There will be separate practical papers beside theory papers. The Practical component shall be of 100 marks further divided in 60 marks of Lab Work and 40 marks of Viva-voce. The Project in MCA- III year shall be of 400 marks. The students are at liberty to appear in any of the examinations conducted by the university during the year subject to the completion of the minimum time frame prescribed for the programme pursued. No separate Examination details are to be filled with Admission Form and it is presumed that a student taking admission is appearing in all the courses/ papers of the programme of the study. For appearing in the examination of due papers a student has to submit Back Examination form available in the prospectus along with the requisite examination fee (Rs. 500/-) before the due date. If a student does not appear in any Term-End-

Examination, he/she may appear in them in the subsequent Term-End-Examinations subject to a maximum of the credit ceiling prescribed by the University for an Examination. This facility will be available to a student to secure the minimum pass grade during the maximum duration prescribed for the programme.

In MCA programme the pass marks in Internal Assignments and Term-End-Examination is only 30% for any one of the components i.e. Internal Assignment and Term-End-Examination. The pass marks in Practical Examination shall be 50%. To clear a course as well as a programme as a whole a student is required to secure 35% marks in Theory Papers and 50% marks in Practical Papers.

Project Report: Every student will have to submit a research based project report on any topic related to Computer Programming, Hardware, Software, Networking etc. in about 100 pages (Computer word process) in 12 font size, Times New Roman (space between lines 1.5) in the prescribed format under the supervision of approved Supervisors

The students are required to submit the synopsis stating Objectives, Significance, methodology, Scheme of Data Analysis along with the brief C.V. of the Supervisor to the Director, School of Distance Education & Learning through their Service Providers. Only after the approval of their topic and Supervisor a student should start his/her project work. The Project is of 16 credits maximum marks are 400. The Projects copied from other students will be rejected and zero marks will be awarded. Therefore student should take the project work seriously. Project can be submitted before the annual examination of their batch.

Division shall be awarded to the successful candidates only after the final year as follows:

I – Division	60% and above
II – Division	48% and less than 60%
III – Division	35% and less than 48%