

The MCA Program

The broad objective of the MCA is to prepare graduate students for productive careers in software industry by providing an outstanding environment for teaching and research in the core and emerging areas of the discipline. The program's thrust is on giving the students a thorough and sound background in theoretical and application-oriented courses relevant to the latest computer software development.

The Master's Degree Program has been designed with a semester approach in mind. The first year courses are aimed at skills development in computers using various technologies, and the second year provides the specialization and the project work.

Eligibility:

Passed BCA/Bachelor Degree in Computer Science & Engineering or equivalent Degree, OR passed B.Sc./ B.Com./B.A. with Mathematics at 10+2 Levels or at Graduation Level (with additional bridge Courses as per the norms of the concerned University).

Duration:

Two Years.

Program Structure:

The MCA program consists of 18 courses covered in four semesters spread over two years. Students are also required to do a research Project during 4th semester.

Students are also exposed to discipline specific elective courses in their respective field of specialization. The actual offering of electives will however, depend on optimal number of students opting for the same elective.

Master of Computer Applications (MCA)					
First Year	Semester I			Semester II	
	SE I	Soft Skills-I		SE II	Soft Skills-II
	CC 1	Software Engineering		CC 6	ASP.NET
	CC 2	Advanced Database Management Systems		CC 7	Cloud Computing
	CC 3	Advanced Computer Networks		CC 8	Python
	CC 4	PHP & MYSQL		DE I	Discipline Elective-I
	CC 5	Mathematics-II (Numerical Analysis to Software Approach)		DE II	Discipline Elective-II
Second Year	Semester III			Semester IV	
	CC 9	Theory of Computation		RP	Research Project
	CC 10	Object oriented Analysis and Design (OOA & D)			
	CC 11	Design & Analysis of Algorithm			
	CC 12	Data Warehouse and Data Mining (DW/DM)			
	DE III	Discipline Elective-III			
	DE IV	Discipline Elective-IV			

AE-Ability Enhancement Course, CC-Core Course, SE-Skill Enhancement Course,
GE- General Elective Course, DE-Discipline Specific Course, TH-Thesis Course Student has to opt only
from each group given below:

Discipline Specific Electives(DE)	
DE I	DE II
Artificial Intelligence	Internet of Things (IoT)
Mobile Robotics	E-Commerce and M-Commerce
DE III	DE IV
Android Application Development	Big Data Analytics
Simulation and Modelling	Software Quality Assurance