

CourseOutcomes(COs):		
<p>It gives the resultant knowledge and skills the student acquires at the end of each course. It defines the cognitive processes a course provides. The course outcomes (COs) are framed by the individual faculty after discuss with HOD along with onesubjectareaexpert.</p>		
ProgramName:		Master of Computer Application(MCA),(G.S.)
Branch :		ComputerApplication
Course Code	CourseName	CourseOutcomes(COs)
MCA-201	Data Base Management System	Aftersuccessfulcompletionofcourse,studentswillbeableto:
		CO1: Understand the basic concepts of DBMS.
		CO2: Formulate, using SQL, solutions to a broad range of query and data update problems.
		CO3: Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.
		CO4: Understand the concept of Transaction and Query processing in DBMS.
		CO5: Demonstrate No SQL databases (Open Source).
MCA-202	Computer Network	Aftersuccessfulcompletionofcourse,studentswillbeableto:
		CO1: familiar with the different Network Models.
		CO2: Understand different network technologies and their application.
		CO3: update with different advanced network technologies that can be used to connect different networks.
		CO4: familiar with various hardware and software that can help run a smooth network
		CO5: Student will able to full fill the network security needs and its implementation in network management system and demonstration of WWW and multimedia
MCA-203	Software Engineering and UML	Aftersuccessfulcompletionofcourse,studentswillbeableto:
		CO1: Plan a software engineering process life cycle, including the specification, design, implementation, and testing of software systems that meet specification, performance, maintenance and quality requirements.
		CO2: Able to elicit, analyze and specify software requirements through a productive working relationship with various stakeholders of the project.
		CO3: Analyze and translate a specification into a design, and then realize that design practically, using an appropriate software engineering methodology.
		CO4: Know how to develop the code from the design and effectively apply relevant standards and perform testing, and quality management and practice.
		CO5: Able to use modern engineering tools necessary for software project management, time management and software reuse.

MCA-204	Algorithm Design	After successful completion of course, students will be able to:
		CO1: Analyze worst-case running times of algorithms using asymptotic analysis.
		CO2: Explain what competitive analysis is and to which situations it applies. Perform competitive analysis.
		CO3: Apply design principles and concepts to algorithm design .
		CO4: Have the mathematical foundation in analysis of algorithms (a, j)
		CO5 : Analyze the efficiency of algorithms using time and space complexity theory (b)
MCA-205	Object oriented Programming with JAVA	After successful completion of course, students will be able to:
		CO1: Develop solutions for a range of problems using object-oriented programming.
		CO2: Apply divide and conquer strategy to searching and sorting problems using iterative and/or recursive solutions.
		CO3: : Design and implement simple GUI applications.
		CO4: Develop structured programmes for various tasks of moderate complexity and requirements.
		CO5: Demonstrate improvement in efficiency of programs using good programming techniques.