

<b>Course Outcomes (COs):</b>		
<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 one subject area expert.</p>		
<b>Program Name :</b>		<b>Master of Computer Application (MCA) , (G.S.)</b>
<b>Branch :</b>		<b>Computer Application</b>
<b>Course Code</b>	<b>Course Name</b>	<b>Course Outcomes (COs)</b>
<b>MCA-301</b>	<b>Data Mining</b>	After successful completion of course, students will be able to:
		<b>CO1: Learn new, advanced techniques for emerging applications (e.g. social network analysis, stream data mining</b>
		<b>CO2: Gain practical intuition about how to apply these techniques on datasets of realistic sizes using modern data analysis frameworks.</b>
		<b>CO3: To fully understand standard data mining methods and techniques such as association rules, data clustering and classification.</b>
		<b>CO4: Develop Skills to write queries using DMQL</b>
		<b>CO5: Explore recent trends in data mining such as web mining, spatial-temporal mining.</b>
<b>MCA-302</b>	<b>Artificial Intelligence</b>	After successful completion of course, students will be able to:
		<b>CO1: Understand the informed and uninformed problem types and apply search strategies to solve them.</b>
		<b>CO2: Apply difficult real life problems in a state space representation so as to solve them using AI techniques like searching and game playing.</b>
		<b>CO3: Design and evaluate intelligent expert models for perception and prediction from intelligent environment.</b>
		<b>CO4: Demonstrate and enrich knowledge to select and apply AI tools to synthesize information and develop models within constraints of application area.</b>
		<b>CO5: Examine the issues involved in knowledge bases, reasoning systems and planning.</b>
<b>MCA-303</b>	<b>Python Programming</b>	After successful completion of course, students will be able to:
		<b>CO1: Familiar with Python environment, data types, operators used in Python.</b>
		<b>CO2: Compare and contrast Python with other programming languages.</b>
		<b>CO3: Learn the use of control structures and numerous native data types with their Methods.</b>
		<b>CO4: Design user defined functions, modules, and packages and exception handling Methods.</b>
		<b>CO5: Create and handle files in Python and learn Object Oriented Programming Concepts.</b>

MCA-304	Soft computing	After successful completion of course, students will be able to:
		CO1 : Discuss the ideas of fuzzy sets, fuzzy logic and use of heuristics based on human experience
		CO2: Apply basics of Fuzzy logic and neural networks.
		CO3: Develop some familiarity with current research problems and research methods in Soft Computing Techniques.
		CO4 : Describe with genetic algorithms and other random search procedures useful while seeking global optimum in self-learning situations
		CO5 : Relate with neural networks that can learn from available examples and generalize to form appropriate rules for inference systems
MCA-305	Distributed systems	After successful completion of course, students will be able to:
		CO1 : Apply the Agreement Protocols and Distributed Resource Management.
		CO2: Explain the Distributed Mutual Exclusion and Distributed Deadlock Detection.
		CO3: Analyze the Failure Recovery in Distributed Systems and Fault Tolerance.
		CO4: Evaluate the Transactions and Concurrency Control, Distributed Transactions and Replication.
		CO5: Design the distributed systems.