

Programme : M.Sc- Computer Science

Programme Outcomes

Programme Outcomes		
Programme name	Programme Code	Programme Outcomes
Master of Science	M.Sc	<ul style="list-style-type: none"> • Be technology-oriented with the knowledge and ability to develop creative solutions, and better understand the effects of future developments of computer systems and technology on people and society. • Learn new technology, grasping the concepts and issues behind its use and the use of computers. • Be able to understand the role of Computer Science in solving real time problems in society. • Know the recent developments IT, future possibilities and limitations, and understand the value of lifelong learning. • Use creativity, critical thinking, analysis and research skill.
Programme Specific Name	Programme Specific Code	Programme Specific Outcomes
Master of Computer Science	M.Sc-CS	<p>The students will be able to</p> <ul style="list-style-type: none"> • Write programs in advance programming concepts in Java, Text Processing, Scripting etc. • Understand the concepts of Sanskrit Grammar. • Understand the concepts of core subjects like Artificial Intelligence, Data Structures, DBMS and *Operating Systems etc. • Study, understand the concepts of Natural Language Processing and its applications • Do a project work of six months duration in the last semester, applying the concepts learned.

1st Semester

Course Code	Title of the Course	Course Outcomes
M.Sc-CS 101	Data Structures	<ul style="list-style-type: none">The students will be able to appreciate the data structures types, analysis of algorithms, linear and non linear lists
M.Sc-CS 102	Computer Organization	<ul style="list-style-type: none">The students will be able to understand digital logic design, including logic elements, and their use in combinational and sequential logic circuit design, the basic architecture of processing, memory and i/o organization in a computer system
M.Sc-CS 103	Object Oriented Programming with Java	<ul style="list-style-type: none">The students will be able to appreciate the concepts of Object Oriented Programming its features like inheritance, polymorphism and will be able to develop applets in java
M.Sc-CS 104	Natural Language Processing – I	<ul style="list-style-type: none">The students will be able to appreciate the concepts of Language Processing and analysis of given sentence at word, phrase, sentence level with special reference to Paninian Grammar.
M.Sc-CS 105	Sanskrit Linguistics – I	<ul style="list-style-type: none">The student will appreciate the significance, theory and history, evaluation of Sanskrit language

2nd Semester

Course Code	Title of the Course	Course Outcomes
M.Sc-CS 201	Operating Systems	<ul style="list-style-type: none">The students will be able to understand operating system the principles of operating system – concurrency, memory management system and I/O management system
M.Sc-CS 202	Data Base Management Systems	<ul style="list-style-type: none">The students will be able to appreciate the concepts of Data Base Management – creation, edition and updating of data bases with real life problems and query processing.
M.Sc-CS 203	Computer Networks	<ul style="list-style-type: none">The students will be able to appreciate the concepts of different types of networks and different layers along with the network devices and protocols at each layer
M.Sc-CS 204	Natural Language Process – II	<ul style="list-style-type: none">The students will be able to appreciate the models and algorithms used in NLP, finite state automata, morphology, finite state transducers and discourse analysis
M.Sc-CS 205	Sanskrit Linguistics – II	<ul style="list-style-type: none">The student is well exposed to the Sanskrit phonetics

3rd Semester

Course Code	Title of the Course	Course Outcomes
M.Sc-CS 301	Software Engineering	<ul style="list-style-type: none">The students will be able to understand the theoretical concepts of software development models, system, system engineering, design engineering, testing strategies and estimation strategies.
M.Sc-CS 302	Artificial Intelligence	<ul style="list-style-type: none">The students will be able to appreciate the concepts of symbolic logic, probabilistic reasoning, matching techniques, knowledge organization, acquisition and management
M.Sc-CS 303	Programming with Visual Basic	<ul style="list-style-type: none">The students will be able to write programs in Visual Basic under Integrated Development Environment along with the concepts of Database connectivity
M.Sc-CS 304	Natural Language Processing – III	<ul style="list-style-type: none">The students will be able to appreciate regular expression, parts of speech tagging, lexical semantics and pragmatics
M.Sc-CS 305	Sanskrit Linguistics – III	<ul style="list-style-type: none">The student will understand noun and verb morphology and Sanskrit compound words

4th Semester

Course Code	Title of the Course	Course Outcomes
M.Sc-CS 401	Project Work	<ul style="list-style-type: none">The students will implement the application of their knowledge gained in the program by selecting a problem in this area