



RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS::ONGOLE

(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)
(An ISO 9001:2015 certified Institute, NBA accredited for B.Tech. in ECE,EEE,CE and ME)
NH-16, Valluru,-523272, Ongole, Prakasam District, A.P

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

COURSE OUTCOMES (2018-19)

III SEMESTER

CO No.	Subject: DATA BASE MANAGEMENT SYSTEMS	Taxonomy Level
After completing the course the student shall be able to		
MC 1631.1	Demonstrate Data Base with different applications of DBMS. Identifies the entity, attributes, Relationships and keys in various Data Models.	Understanding
MC 1631.2	Utilize relational algebra concepts like selection ,projection ,relational calculus which helps in understanding queries	Applying
MC 1631.3	Experiment ddl, dml cmds ect, by writing queries in standard language of relational databases..	Applying
MC 1631.4	Develop various advance SQL queries related to Transaction Processing & Locking using concept of Concurrency control.	Applying
MC 1631.5	Analyze indexing mechanisms for efficient retrieval of information from a database.	Analyzing

CO No.	Subject: COMPUTER COMMUNICATION	Taxonomy Level
After completing the course the student shall be able to		
MC 1632.1	Outline the basic concepts of reference models and Identify the functionality of physical layer in computer communications	Understanding
MC 1632.2	Explian various physical layer trasmission techniques, Examine the datalink layer design issues	Applying
MC 1632.3	list various data link access methods and network layer functions	Applying
MC 1632.4	outlline the IEEE 802.11 standard	Applying
MC 1632.5	Examine various application layer functionalities	Analyzing





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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

CO No.	Subject: UNIX PROGRAMMING	Taxonomy Level
After completing the course the student shall be able to		
MC 1633.1	Understand commands & File System and Permissions of UNIX	Understanding
MC 1633.2	Understand the basic syntax for command line used in UNIX	Applying
MC 1633.3	Understand the different filters and awk used in UNIX	Applying
MC 1633.4	Shell Programming basics and IPC	Applying
MC 1633.5	Understand the basic process commands in UNIX.	Analyzing

CO No.	Subject: MANAGEMENT INFORMATION SYSTEMS	Taxonomy Level
After completing the course the student shall be able to		
MC 1634.1	Relate the basic concepts and technologies used in the field of management information systems	Understanding
MC 1634.2	Compare the processes of developing and implementing information systems.	Applying
MC 1634.3	Outline the role of the ethical, social, and security issues of information systems	Applying
MC 1634.4	Translate the role of information systems in organizations, the strategic management processes, with the implications for the management	Applying
MC 1634.5	Apply the understanding of how various information systems like work together to accomplish the information objectives of an organization.	Analyzing

CO No.	Subject: DESIGN AND ANALYSIS OF ALGORITHMS	Taxonomy Level
After completing the course the student shall be able to		
MC1635.1	Understand the fundamentals for analyzing time and space complexity of algorithms	Understanding
MC1635.2	Apply divide and conquer technique to solve real time problems related computing and use greedy technique to solve problems	Applying





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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

MC1635.3	Make use of dynamic programming paradigm for solving problems like knapsack,matrix multiplication and optimal binary search tree.	Applying
MC1635.4	illustrate backtracking with applications on n-queen problem sum of subsets and graph coloring	Applying
MC1635.5	Explain branch and bound paradigm with Travelling sales person problem and o/I knapsack problem.	Analyzing

CO No.	Subject: DATA BASE MANAGEMNT SYSTEMS LAB	Taxonomy Level
After completing the course the student shall be able to		
MC 1636.1	Demonstrate Data Base with different applications of DBMS. Identifies the entity, attributes, Relationships and keys in various Data Models.	Understanding
MC 1636.2	Utilize relational algebra concepts like selection ,projection ,relational calculus which helps in understanding queries	Applying
MC 1636.3	Experiment ddl, dml cmds ect, by writing queries in standard language of relational databases..	Applying
MC 1636.4	Develop various advance SQL queries related to Transaction Processing & Locking using concept of Concurrency control.	Applying
MC 1636.5	Analyze indexing mechanisms for efficient retrieval of information from a database.	Analyzing

CO No.	Subject: UNIX PROGRAMMING LAB	Taxonomy Level
After completing the course the student shall be able to		
MC1637.1	To demonstrate the basic knowledge of Linux commands and file handling utilities by using Linux shell environment	Understanding
MC1637.2	To evaluate the concept of shell scripting programs by using an AWK and SED commands.	Applying
MC1637.3	To create the directory. how to change and remove the directory.	Applying
MC1637.4	To analyze the process of how the parent and child relationships	Applying





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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

MC1637.5	To define IPC mechanism.	Analyzing
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CO No.	Subject: COMPUTER NETWORKS LAB	Taxonomy Level
After completing the course the student shall be able to		
MC1638.1	Choose the practical approach to network communication protocols.	Understanding
MC1638.2	Choose network layers, structure/format and role of each network layer.	Applying
MC1638.3	Analyze to design and implement various network application such as data transmission between client and server	Applying
MC1638.4	Develop to design and implement various network application such as file transfer, real-time multimedia transmission.	Applying
MC1638.5	Build the various Routing Protocols/Algorithms and Internetworking.	Analyzing

IV SEMESTER

CO No.	Subject: OBJECT ORIENTED ANALYSIS DESIGN	Taxonomy Level
After completing the course the student shall be able to		
MC 1641.1	Apply complex system using object-oriented approach	Understanding
MC 1641.2	Build the class diagram with responsibilities and state using UML notation	Applying
MC 1641.3	Identify the events, classes and responsibilities of the problem domain.	Applying
MC 1641.4	Describe basic Interactions, Use cases of the problem domain.	Applying
MC 1641.5	Implement various states and advanced behavioral modeling using UML notation. Classify components and nodes of the problem domain	Analyzing



CO No.	Subject: ADVANCED JAVA WEB TECHNOLOGY	Taxonomy Level
After completing the course the student shall be able to		



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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

MC 1642.1	Identify HTML elements and its attributes	Understanding
MC 1642.2	Develop Client Side Script using HTML,CSS & JavaScript	Applying
MC 1642.3	Develop applications using SERVLET and WEB.XML Schema	Applying
MC 1642.4	Develop dynamic web application using JSP	Applying
MC 1642.5	Implement programs through JSP and JDBC	Analyzing

CO No.	Subject: DATA WAREHOUSING AND DATA MINING	Taxonomy Level
After completing the course the student shall be able to		
MC 1643.1	Understand the data warehouse principles, data mining concepts and working. Understand various data preprocessing procedures and their application	Understanding
MC 1643.2	Discuss the general approach to solve Classification problem	Applying
MC 1643.3	Discuss basic concepts and algorithms of Association analysis.	Applying
MC 1643.4	Understand the basic concepts and algorithms of Cluster Analysis.	Applying
MC 1643.5	Understand the basic concepts of data mining	Analyzing

CO No.	Subject: SOFTWARE PROJECT MANAGEMENT	Taxonomy Level
After completing the course the student shall be able to		
MC 1647.1	Conventional Software Management	Understanding
MC 1647.2	Life cycle phases	Applying
MC 1647.3	Model based software architectures	Applying
MC 1647.4	Project Control and Process instrumentation	Applying
MC 1647.5	Future Software Project Management	Analyzing





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CO No.	Subject: HUMAN COMPUTER INTERACTION	Taxonomy Level
After completing the course the student shall be able to		
MC 1645.1	Popularity of graphics, the concept of direct manipulation, graphical system	Understanding
MC 1645.2	Human interaction with computers, importance of human characteristics human consideration	Applying
MC 1645.3	screen navigation and flow, Visually pleasing composition, amount of information	Applying
MC 1645.4	Components text and messages, Icons and increases, Multimedia, colors, uses problems, choosing colors	Applying
MC 1645.5	Keyboard and function keys, pointing devices. speech recognition digitization and generation	Analyzing

CO No.	Subject: DATA WAREHOUSING AND MINING LAB	Taxonomy Level
After completing the course the student shall be able to		
MC164B.1	Understand the data warehouse principles, data mining concepts and working. Understand various data preprocessing procedures and their application	Understanding
MC164B.2	Discuss the general approach to solve Classification problem.	Applying
MC164B.3	Discuss basic concepts and algorithms of Association analysis	Applying
MC164B.4	Understand the basic concepts and algorithms of Cluster Analysis	Applying
MC164B.5	Understand the basic concepts of datamining	Analyzing

CO No.	Subject: ADVANCED JAVA WEB TECHNOLOGIES LAB	Taxonomy Level
After completing the course the student shall be able to		
MC164A.1	To implement the various WebPages using HTML.CSS.JavaScript.	Understanding





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MC164A.2	To Perform setting up and Installing web server's i.e Tomcat server	Applying
MC164A.3	Implement simple visual bean with various areas filled with different color	Applying
MC164A.4	To Implement user authentication, session and cookies concepts using JSP & Servlets	Applying
MC164A.5	To analyze the process of JDBC connections , implement JDBC using JSP.	Analyzing

CO No.	Subject: OBJECT ORIENTED ANALYSIS DESIGN LAB	Taxonomy Level
After completing the course the student shall be able to		
MC164C.1	Apply complex system using object-oriented approach.	Understanding
MC164C.2	Build the class diagram with responsibilities and state using UML notation	Applying
MC164C.3	Identify the events, classes and responsibilities of the problem domain	Applying
MC164C.4	Describe basic Interactions, Use cases of the problem domain.	Applying
MC164C.5	Implement various states and advanced behavioral modeling using UML notation. Classify components and nodes of the problem domain	Analyzing

V SEMESTER

CO No.	Subject: BIG DATA ANALYSTICS	Taxonomy Level
After completing the course the student shall be able to		
MC 1651.1	Understand the basics of Java Collections and MapReduce. PIG and Hive	Understanding
MC 1651.2	Preparing for data summarization, query, and analysis.	Applying
MC 1651.3	Applying data modelling techniques to large data sets	Applying
MC 1651.4	Creating applications for Big Data analytics	Applying
MC 1651.5	Building a complete business data analytic solution	Analyzing





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CO No.	Subject: NETWORK PROGRAMMING	Taxonomy Level
After completing the course the student shall be able to		
MC 1652.1	OSI model, Unix standards, TCP and UDP & TCP connection establishment	Understanding
MC 1652.2	TCP Echo server functions, Normal startup, terminate and signal handling server process termination	Applying
MC 1652.3	Sockets and I/O Multiplexing and socket options	Applying
MC 1652.4	Elementary UDP sockets and Elementary name and Address conversions	Applying
MC 1652.5	IPC and remote Login	Analyzing

CO No.	Subject: PYTHON PROGRAMMING	Taxonomy Level
After completing the course the student shall be able to		
MC 1653.1	Demonstrate indentation in the program.	Understanding
MC 1653.2	Explain various data structures and extend with examples.	Applying
MC 1653.3	Make use of modules and packages.	Applying
MC 1653.4	Build programs for user-defined exceptions.	Applying
MC 1653.5	Experiment with GUI programming.	Analyzing

CO No.	Subject: E-COMMERCE	Taxonomy Level
After completing the course the student shall be able to		
MC1656.1	Understand E-Commerce applications & . Mercantile Process models	Understanding
MC1656.2	Understand Electronic payment systems	Applying
MC1656.3	Understand the – EDI & SCM	Applying





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MC1656.4	Understand the Corporate Digital Library& Advertising on Internet	Applying
MC1656.5	Understand the Consumer Search, Resource Discovery & Desktop video conferencing	Analyzing

CO No.	Subject: SOFTWARE TESTING METHODOLOGIES	Taxonomy Level
After completing the course the student shall be able to		
MC1659.1	Understand the basic testing procedures.	Understanding
MC1659.2	Able to support in generating test cases and test suites.	Applying
MC1659.3	Able to test the applications manually by applying different testing methods and automation tools	Applying
MC1659.4	Apply tools to resolve the problems in Real time environment.	Applying
MC1659.5	Illustrate the significance of software testing in web and object oriented techniques.	Analyzing

CO No.	Subject: BIG DATA ANALYTICS LAB	Taxonomy Level
After completing the course the student shall be able to		
MC165A.1	To implement the various Data structure concept using Java	Understanding
MC165A.2	To Perform setting up and Installing Hadoop in its three operating modes	Applying
MC165A.3	Implement file management tasks in Hadoop	Applying
MC165A.4	To understand Map Reduce Paradigm	Applying
MC165A.5	To analyze the process of configuring pig, Hive and demonstrate the basic knowledge of PIG. Hive command	Analyzing

CO No.	Subject: NETWORK PROGRAMMING LAB	Taxonomy Level
After completing the course the student shall be able to		





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MC165B.1	Implement shell script for basic file operations	Understanding
MC165B.2	Implement shell script for file management operations	Applying
MC165B.3	Implement shell script for file handling work	Applying
MC165B.4	Implement shell script for basic mathematical programming	Applying
MC165B.5	Implement shell script for copy file & count words and line in a file	Analyzing

CO No.	Subject: PYTHON PROGRAMMING LAB	Taxonomy Level
After completing the course the student shall be able to		
MC165C.1	Implement python basic and operations	Understanding
MC165C.2	Implement python conditional and control flow statements	Applying
MC165C.3	Implement DS concepts like list etc	Applying
MC165C.4	Implement how to use files and functional in python	Applying
MC165C.5	Implement&design oop and GUI , graphics in python	Analyzing

Sugala
CO-ORDINATOR

T. S. S.
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