



**Jayawant Shikshan Prasarak Mandal's
JSPM Narhe Technical Campus
Rajarshi Shahu School of Computer Applications**

Department MCA

Course Outcomes

Course Name:-	MCA-I SEMESTER-I
Course Code:-	Fundamentals of Computer–IT11SEMESTER-I
At the end of course, students will be able to-	
CO1:-	Critical understanding of computer evolution and basic structure of computer Understand the concept of memory, cache memory, internal & external memory
CO2:-	Ability to perform computer arithmetic operations.
CO3:-	State design of Combinational circuits like half/full adder, Multiplexer/Demultiplex
CO4:-	Master the concept of operations of processors, its instruction set & addressing modes
CO5:-	Ability to design memory organization , concept of cache mapping techniques.
CO6:-	Ability to understand the concept of processing unit
Course Name:-	MCA-I SEMESTER-I
Course Code:-	C Programming with Data Structure-IT12
At the end of course, students will be able to-	
CO1:-	Describing the basic concept of C data types, keywords, built in I/P & O/P functions ope
CO2:-	Understanding or array, string ,pointers, stack, queue.
CO3:-	Design and implement a function , structure and union. Use of File handling in C.
CO4:-	Solve problem using different searching and sorting technique.
CO5:-	Design and implement an abstract data type such as stack. Applications of stack-
CO6:-	Design and implement an abstract data type such as queue. Realization fo queue using array. Ty
Course Name:-	MCA-I
Course Code:-	Software Engineering-IT13
At the end of course, students will be able to-	
CO1:-	Selection of s/w processing model for s/w system by comparing models
CO2:-	Analyze the s/w Requirement & carryout feasibility study.
CO3:-	Design s/w system using appropriate method.
CO4:-	Adopting appropriate Testing Technique for fault/defect finding & quality improvemen
CO5:-	Scheduling & Planning of s/w system for Risk Management & Cost Estimation
CO6:-	Software Standardization and Reliability Estimation.
Course Name:-	MCA-I
Course Code:-	Database ManagementSystem-IT14
At the end of course, students will be able to-	
CO1:-	Identify structure of database system using data models and ER models
CO2:-	Demonstrate SQL and PL/SQL
CO3:-	Provide database design approaches with normalization
CO4:-	Define and discuss transaction management, concurrency control, query optimization a
CO5:-	5 Be familiar with various database architectures and applications
CO6:-	Understandthe usage of modern tools and recent software
Course Name:-	MCA-I
Course Code:-	Principles andPractices of Management &OBBM11
At the end of course, students will be able to-	
CO1:-	understanding the conceptual frame work of management as a discipline.
CO2:-	Develop an understanding of how various management thought work together
CO3:-	Understand the processes of developing and implementing information systems.
CO4:-	Learn about the importance of managing organizational change associated with inform
CO5:-	Discuss the various concepts of planning, Decision making and controlling
CO6:-	To develop understand management concepts and styles in Global context.
Course Name:-	MCA-I SEMESTER-I
Course Code:-	C and DS Lab-IT12L
At the end of course, students will be able to-	
CO1:-	Design and implement an abstract data type linked list by using static
CO2:-	Apply link list concept to solve practical problem.
CO3:-	Design and implement an abstract data type.
CO4:-	Understand application of linear data structure queue
CO5:-	Solve problem using different sorting & searching technique.

Course Name:-	MCA-I SEMESTER-I
Course Code:-	DBMS LabIIT14L
At the end of course, students will be able to-	
CO1:-	Identify structure of database system and design database tables with the help of ER
CO2:-	Understand database techniques such as SQL and PL/SQL
CO3:-	Understand RDBMS model, define and discuss transaction management, concurrency c
CO4:-	Describe various database architectures; compare structured and unstructured databas
Course Name:-	MCA-I SEMESTER-I
Course Code:-	Word Power-SS11
At the end of course, students will be able to-	
CO1:-	Able to identify their own goals, strengths and weaknesses and thus their
CO2:-	Able to Speak confidently with the correct pronunciation and accurate language,
CO3:-	Able to dress up professionally for any occasion to make a lasting impression
CO4:-	Able to demonstrate the art of speaking effectively and make others speak,
CO5:-	To make communication effective through verbal/oral communication and improve the listening
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Essentials of Operating SystemIT21
At the end of course, students will be able to-	
CO1:-	Describe the basic components of an operating system and their role in implementatio
CO2:-	Explain what multi-tasking is and outline standard scheduling algorithms for multi-task
CO3:-	Give an overview of system memory management.
CO4:-	Explain how file systems are implemented.
CO5:-	Understand the security and protection mechanism
CO6:-	
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Web TechnologiesIT-22
At the end of course, students will be able to-	
CO1:-	understand web page site planning, management and maintenance.
CO2:-	concepts of developing advanced HTML pages with the help of frames, scripting
CO3:-	Implement the role of XML for the management
CO4:-	Develop Web based applications by Servlets and JSP to have an interactive application
CO5:-	Develop Graphical User Interface applications and Web based applications in Java by
CO6:-	Implement the role of XML for the management
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Core JavaIT-23
At the end of course, students will be able to-	
CO1:-	understand the core principles of the Java Language
CO2:-	Develop visual tools to produce well designed, effective applications and applets
CO3:-	Understand fundamentals of object-oriented programming in Java, including
CO4:-	Be able to use the Java SDK environment to create, debug and run simple Java
CO5:-	ability to write a computer program to solve specified problems.
CO6:-	ware of the important topics and principles of software development.
Course Name:-	MCA-I
Course Code:-	Essentials of NetworkingIT-24
At the end of course, students will be able to-	
CO1:-	To learn and understand fundamentals of computer network , network architectures,
CO2:-	Describe various standard network models.
CO3:-	Understand various guided transmission media.
CO4:-	Analyse error detection and error correction codes.
CO5:-	Understand the concepts behind medium access control sub layer.
CO6:-	Implement and analyse routing and congestion issues in network design.
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Discrete MathematicsMT-21
At the end of course, students will be able to-	
CO1:-	Analyse the statements presented in DNF and determine their validity.
CO2:-	Examine the validity of argument by using propositional and predicate calculus
CO3:-	Apply basic counting techniques to solve the combinatorial problems.

CO4:-	Apply sets, relations and digraphs to solve applied problems.
CO5:-	Logic, Relations and Functions, Algebraic Functions and Graph
CO6:-	Understand the basic concepts of graph theory and some related theoretical problems
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Essentials of Marketing* -BM-21
At the end of course, students will be able to-	
CO1:-	understand the essentiality of Marketing in business Environment.
CO2:-	comprehend the functionalities of Marketing and IT enabled practices for organization.
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Mini Project using Web TechnologyIT-22L
At the end of course, students will be able to-	
CO1:-	able to develop a small dynamic web application.
CO2:-	Implement the role of XML for the management
CO3:-	Implement the role of XML for the management
CO4:-	Develop Web based applications by Servlets and JSP to have
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Core Java Lab *IT-23L
At the end of course, students will be able to-	
CO1:-	enhance the students Java Programming Skills.
CO2:-	Understand the Java concepts such as Interfaces, Packages, Exception Handling,
CO3:-	Understand the Applet, multithreading, Abstract Windows Toolkit,
CO4:-	Understand Java Input Output & Java collection
Course Name:-	MCA-I SEMESTER-II
Course Code:-	Soft Skill - Oral Communication*SS-21
At the end of course, students will be able to-	
CO1:-	enhance the verbal communication of students.
CO2:-	To focus on conversation with colleagues,
CO3:-	Focus Dialogues with Higher authorities.
CO4:-	To focus on Formal and Informal Conversation, etiquettes