FATIMACOLLEGE(AUTONOMOUS),MADURAI–625018

COURSEOUTCOMES

NAMEOFTHEPROGRAMME: B.C.A   **PROGRAMMECODE:USCA**

COURSE CODE	COURSE TITLE	COURSE OUTCOMES
19J1CC1	PROGRAMMING IN C	CO1: Acquire basic understanding of C programming CO2: Illustrate how arrays and strings are implemented in C CO3: Utilize the knowledge of Functions and Pointers CO4: Analyze the memory management concept in C using structure and Unions CO5:Outline the file operations in C
19J1CC2	LAB IN C PROGRAMMING	CO1: Acquire basic understanding of C programming CO2: Illustrate how arrays and strings are implemented in C CO3:Utilize the knowledge of Functions and Pointers CO4:Analyze the memory management concept in C using structure and Unions CO5: Outline the file operations in C
19J1NME	NON MAJOR ELECTIVE–I	CO1:Applytweensandarticulatedmotionstomorphshapes.

	MULTIMEDIA LAB – FLASH	CO2:Design,createandeditflash basednavigationmenusandinteractivemovies. CO3:Utilize flash componentstocreateinteractivity. CO4:Demonstrate,load,controlandremovemovieclipsandmasksinmovie content. CO5:Utilizeandunderstanddifferent soundsandsoundformatsinflashmovies Publishflashmoviesinnumerousformats.
19J2CC3	OBJECT ORIENTED PROGRAMMING IN C++	CO1:Assess the object – oriented concepts in C++ CO2:Illustrate the usage of Functions in C++ CO3:Analyze advanced features of C++ specifically stream I/O andoverloading CO4:Demonstrate on Inheritance and Virtual Classes CO5:Outline the file operations in C++
19J2CC4	LAB IN C++	CO1:Read, understand and trace the execution of programs written in C++ language CO2:Demonstrate class and object functions CO3: Assess operator overloading and function overloading to specific problem definition CO4: Demonstrate file operations in C++. CO5: Write C++ code to demonstrate each concept

19J2NME	NON MAJOR ELECTIVE–I MULTIMEDIA LAB – FLASH	CO1:Applytweensandarticulatedmotionstomorphshapes. CO2:Design,createand editflash basednavigationmenusand interactivemovies. CO3:Utilize flash componentstocreateinteractivity. CO4:Demonstrate, load,control and remove movieclips and masksin movie content. CO5:Utilizeandunderstanddifferent soundsandsoundformatsinflashmovies Publishflashmoviesinnumerousformats.
19J3CC5	OPERATING SYSTEMS	CO1: Outline the structure of OS, basic architectural components CO2: Analyze on the different scheduling algorithms & critical section problems CO3: Critique device and resource management techniques by concentrating on deadlocks CO4: Identify and know about memory management techniques CO5:Interpret the mechanisms adopted for file sharing in distributedApplications
19J3CC6	LAB IN RELATIONAL DATABASE MANAGEMENT SYSTEMS	CO1: Understand the basic concepts of database and relational database management systems CO2: Analyze the various normalization concepts CO3: Disseminate SQL commands to create tables and indexes

		CO4: Apply DDL and DML commands in real time applications
		CO5: Write dynamic queries and programming language SQL to demonstrate the concept of RDBMS
19J3SB1	SKILL BASED – I QUANTITATIVE APTITUDE	CO1: Apply quantitative techniques to solve variety of problems
		CO2: Perform statistical analysis to interpret information
		CO3: Apply the aptitude tricks, shortcuts and formulas
		CO4: Acquire clear understanding on easily solving the reasoning
		CO5: Focuses in clearing the competitive, Campus and entrance online tests
19J4CC7	DATA STRUCTURES AND ALGORITHMS	CO1: Assess the concept of various data structures and the logic behind their workings
		CO2: Compare various Abstract Data Types (ADT)
		CO3: Utilize trees and graphs in real time application
		CO4: Compare the various Directed and Undirected Graphs
		CO5: Analyze case studies to implement and comment about performance of algorithms
19J4CC8	LAB IN WEB PROGRAMMING	CO1: Select and apply mark-up languages for processing and presenting information in web pages.
		CO2: Design and implement dynamic websites with good aesthetic sense of

		designing.
		CO3: Use fundamental skills to maintain web server services required to host a website.
		CO4: Prepare the students to write a well formedDataBase connection
		CO5: Create WebPages for any application
19J4AC4	DIGITAL PRINCIPLES AND COMPUTER ORGANIZATION	CO1: Identify the anatomy of computers
		CO2: Compare the various memory units along with the storage devices
		CO3: Demonstrate and perform computer arithmetic operations on integer and real numbers
		CO4: Analyze the performance of Gates
		CO5: Conceptualize the basics of organizational and architectural issues of a digital computer with logics
19J4SB2	SKILL BASED – II DATA ANALYSIS USING SPREADSHEETS	CO1:Customize the Ribbons of Spreadsheets
		CO2:Perform statistical analysis using charts
		CO3:Apply the aptitude tricks, shortcuts and formulas
		CO4:Compare all the functions available
		CO5:Focuses on the protection of data in spreadsheets