BHARATHIYAR
ARTS & SCIENCE COLLEGE FOR WOMEN
(Affiliated to Periyar University)
Accredited by NAAC & Reg U/S 2(f) & 12 (B) UGC Act 1956.
Deviyakurichi,Attur(Tk),Salem(Dt),Pin-636112.

DEPARTEMNT OF COMPUTER APPLICATIONS

PROGRAMME OUTCOMES FOR UNDER GRADUATE PROGRAMMES	
2021 ONWARDS	
NAME OF THE PROGRAMME : BCA	
P01	To understand the fundamental concepts of computer system.
P02	To Design and analyze precise specifications of algorithms and interaction behavior.
P03	To apply the technologies in various fields of Computer Applications.
P04	To communicate effectively in both verbal and written form in industry and society.

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COURSE OUTCOMESOF UNDER GRADUATE PROGRAMMES (2021 ONWARDS)		
NAME OF THE PROGRAMMES : BCA		
COURSE CODE	**COURSE TITLE**	**COURSE OUTCOME**
SEMESTER -I		
21UCA01	**PROBLEM SOLVING THROUGH C**	Recognize the Basic Terminologies of C Programming.
		Understanding the statement structure and apply simple problems.
		Understand and apply the pre-defined functionsand user defined functions and then apply the simple problems.
		Demonstrate the operation of Structures and unions.
		Recognize the operation of Files.
21UCAP01	**PRACTICAL –I- C PROGRAMMING**	Study all the Basic Statements in C Programming.
		Practice the usage of branching and looping statements.
		Apply string functions and arrays usage.
		Analysis the use of pointers and files
		Study all the Basic Statements in C Programming.

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SEMESTER – II		
21UCA02	OBJECT ORIENTED PRGRAMMING IN C++	Recognize the Basic Terminologies of oops.
		Understanding the classes and objects.
		Understand and apply the over loading, Inheritance and then apply the simple problems.
		Demonstrate the pointers.
		Recognize the operation of Files.
21UCAP02	PRACTICAL-II- C++ PROGRAMMING LAB	To enable the students to design and develop the C++ programs.
		To qualify the students working with overloading and inheritance.
		To improve creative thinking in virtual functions and files.
21UCA03	COMPUTER ORGANIZATION AND ARCHITECTURE	Recognize the Basic Number system and logic gates.
		Understanding the flip flops and Karnaugh-maps.
		Understand and apply micro operation and data transfer.
		Demonstrate the computer arithmetic and addressing modes.
		Analyze the memory and I/O organizations.

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SEMESTER - III		
21UCA04	DATA STRUCTURE AND ALGORITHMS	Remember the concept of algorithms.
		Understanding the stack and queues.
		Apply linked list for other data structures.
		Evaluate the trees and sorting methods.
		Analyze the sorting and file organizations.
21UCA05	OPERATING SYSTEMS	Understand the structure and functions of OperatingSystem.
		Compare the performance of Scheduling Algorithms.
		Understand and organize the memory.
		Evaluate the deadlock measures.
		Analyze the I/O hardware and software.
21UCA06	RELATIONAL DATABASE MANAGEMENT SYSTEMS	Remember the concept of Database.
		Understanding the data models and ER Diagram.
		Apply SQL commands.
		Evaluate the DBMS in SQL.
		Analyze the Transaction management.

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21UCAP03	PRACTICAL III – SQL and PL/SQL	To impart Practical Training in DDL Commands.
		Familiarize the different DML Commands.
		Build queries with SQL Commands.
		Provide knowledge on working with big tables.
21UCASP01	SBEC – I - OFFICE AUTOMATION LAB	Remember the concept of word processing.
		Understanding the tools in Micro soft word.
		Understand and Apply Excel Features
		Evaluate the EXCEL functions
		Analyze the different designs of MS Presentations.

SEMESTER – IV		
21UCA07	COMPUTER NETWORKS	Remember the concept of networks and its types.
		Understanding the wireless communications.
		Understand and Apply data link protocols.
		Evaluate the network design issues.
		Analyze the connection issues.
21UCA08	PROGRAMMING IN JAVA	Remember the concepts of OOPS.
		Understand the basic Terminologies of languages andstatements.
		Demonstrate the use classes and objects.
		Evaluate the packages and exception handling methods.
		Analyze the I/O Streams and graphics classes.
21UCAP04	PRACTICAL-IV-JAVA PROGRAMMING	To impart Practical Training in JAVA Programming Language.
		Familiarize the different control and decision making statements in JAVA.
		Build programs using Packages.
		Provide knowledge on working with Exception handling functions.

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21UCA09	**SOFTWARE WNGINEERING**	Remember the basics of software engineering and models.
		Understand requirement and Analysis.
		Demonstrate the functions of software design.
		Study the object modeling.
		Analyze testing technologies.
21UCASP02	**SBEC-IV – IMAGE EDITING TOOL**	To impart Practical Training in PHOTO SHOP image editing Tool.
		Familiarize the different text and filter effects.
		Build programs using stamp tools.
		Provide knowledge on working with several layouts.

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SEMESTER - V		
21UCA10	DATA MINING AND WAREHOUSING	Remember the basics of data mining.
		Understand data mining query language.
		Demonstrate the mining associative rules.
		Study classification and prediction.
		Analyze cluster Technologies.
21UCA11	WEB TECHNOLOGY	Understand the structure of the documents in Web.
		Remember and understand the table handling tags
		Understand and organize CSS
		Implement scripts in web page.
		Evaluate script objects
21UCAP05	WEB TECHNOLOGY LAB	Study all the Basic tools.
		Practice the usage of web page creation and useable objects.
		Apply various effects webpage.
		Analysis the use of java script and html code.
21UCA12	VISUAL PROGRAMMING	Remember the basics of VB.
		Understand data and files in VB.
		Demonstrate the MDI Applications.
		Study of data control.
		Analyze the ADO and Active X.

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21UCAP06	**PROGRAMMING IN VB**	Understand the features in VB.
		Select and apply statements for design forms.
		Combine multiple features in interface and database.
		Understand the features in VB.
		Select and apply statements for design forms.
21UCASP03	**MOBILE APPLICATION DEVELOPMENT**	Study all the Basic Tools.
		Practice the usage of control panel objects.
		Apply various commands for layouts and animations.
		Analysis the use of SQLite I.

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SEMESTER - VI		
21UCA13	PROGRAMMING IN PYTHON	Understand the Basic Programming Logic.
		Understand the basic Statements.
		Implement Files and SQL.
		Evaluate Graphics in python.
		Analyze Version control system.
21UCAP07	PYTHON PROGRAMMING	Study all the Basic commands.
		Practice the usage of control flow statements.
		Apply various commands in files and directories.
		Analysis the use of MYSQL to connect database.
		Study all the Basic commands.
21UCAS01	QUANTITATIVE APTITUDE	Remember the basic mathematical functions.
		Understand the problems of ages, profits and loss.
		Demonstrate the relationship of time with work and distance.
		Implement permutation and combinations problem.

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