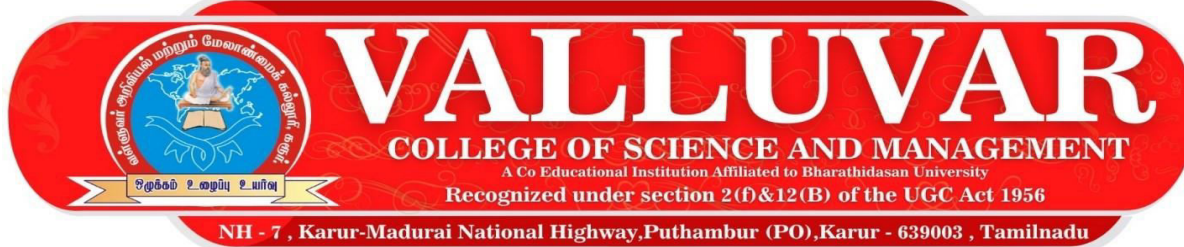


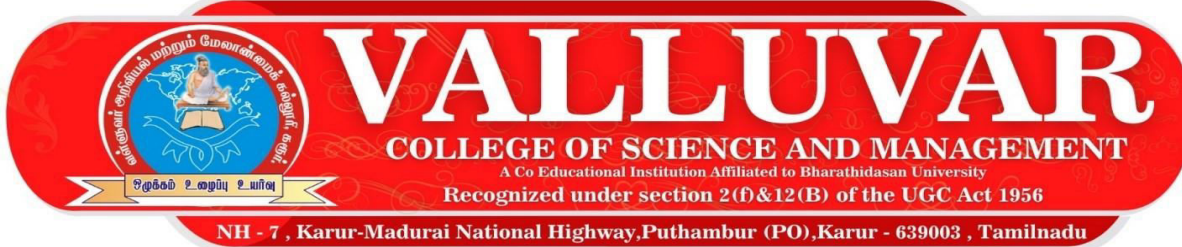
DEPARTMENT OF COMPUTER SCIENCE
COURSE OUTCOMES OF UNDER GRADUATE PROGRAMMES
(2016 – 2017 onwards)

Name of the Programme: B. Sc., Computer Science		Semester – I	
Course Code	Name of the Course	Course Outcomes	
16SCCCS1	PROGRAMMING IN C	CO 1	Understand the various operator in C
		CO 2	Understand the decision making for Branching and Looping
		CO 3	Know arrays, arrays types, string handling functions
		CO 4	Know the concept pointers, file handling, input output operations
		CO 5	Understand the Linked lists and Pre-processor
16SCCCS1P	PROGRAMMING IN C (P)	CO 1	To impart practical training in C Programming Language
		CO 2	Understand the basic terminology used in computer programming
		CO 3	Write, compile and debug programs in Language
		CO 4	Create programs involving decision structures, loops, strings and functions
		CO 5	Design programs involving structures and pointers

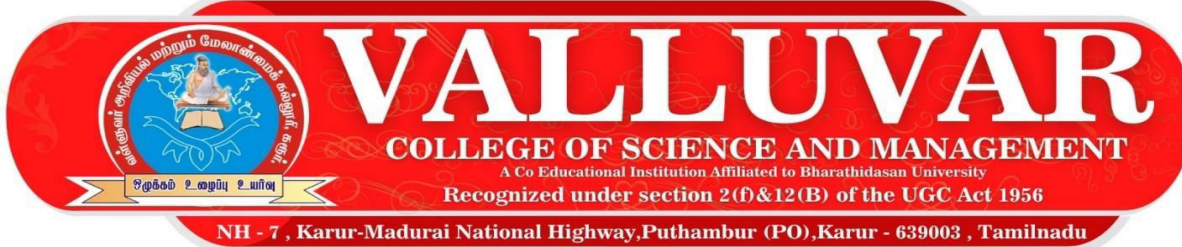


Name of the Programme: B. Sc., Computer Science Semester – II

Course Code	Name of the Course	Course Outcomes	
16SCCCS2	PROGRAMMING IN C++	CO 1	To apply good programming principles to the design and implementation of C++ programs and also understanding of primitive data types, values, operators and expressions in C++.
		CO 2	Identify the necessary properties of good problem-solving techniques that are essential for Object Oriented Programming, C++
		CO 3	Design and implement code that includes the reuse of both existing code and calling functions in the C++ libraries
		CO 4	Be acquainted with the concept of pointers, file handling and I/O operations
		CO 5	Understand the Linked lists and Pre-processor
16SCCCS2P	PROGRAMMING IN C++ LAB	CO 1	To impart practical training in C++ Programming Language
		CO 2	Understand the basic terminology used in Object Oriented Languages
		CO 3	Write, compile and debug programs in C++ Language
		CO 4	Create programs involving decision structures, loops, strings and functions
		CO 5	Design programs involving structures, pointers and Files Handling Mechanisms

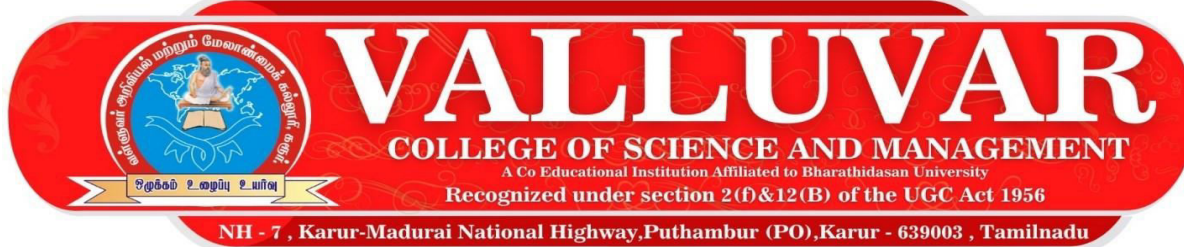


Name of the Programme: B. Sc., Computer Science		Semester – III	
Course Code	Name of the Course	Course Outcomes	
16SCCCS3	PROGRAMMING IN JAVA	CO 1	Develop the program using Object oriented Methodology using JAVA
		CO 2	Apply the basic Terminology used in JAVA
		CO 3	Make use of the concepts of packages and Interfaces
		CO 4	Implement the concepts of multithreading and /or handle run time errors for Java applications
		CO 5	Develop real time GUI applications using applet and AWT also Utilize collection framework and /or file management in Java applications
16SCCCS3P	PROGRAMMING IN JAVA LAB	CO 1	To impart practical training in JAVA Programming Language
		CO 2	Apply the Concept of inheritance for code reusability
		CO 3	Acquire the Knowledge in the Concept of multithreading
		CO 4	Apply to build a real-world application using the Concept of Polymorphism and inheritance
		CO 5	Acquire the Knowledge in the Concept of Graphical program as APPLETs
16SNMECS1	WORKING PRINCIPLES OF INTERNET	CO 1	To understand the working Principles of Internet
		CO 2	Underlying the basic concepts of Internet and communication through Internet
		CO 3	To acquire the knowledge in Common Internet Tools
		CO 4	Understand the Multimedia on Internet
		CO 5	To be aware of Safeguarding the Internet



Name of the Programme: B. Sc., Computer Science Semester – IV

Course Code	Name of the Course	Course Outcomes	
16SCCCS4	DATABASE SYSTEMS	CO 1	Demonstrate the basic elements of a relational database management system
		CO 2	Identify the data models for relevant problems
		CO 3	Design entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data into RDBMS and formulate SQL queries on the data
		CO 4	Demonstrate their understanding of key notions of query evaluation and optimization techniques
		CO 5	Extend normalization for the development of application software
16SCCCS4P	DATABASE SYSTEMS LAB	CO 1	To Impart Practical Training in MySQL- Creation of MySQL table and perform the following basic MySQL operations
		CO 2	Develop MySQL queries to implement the set operations and aggregate functions
		CO 3	Develop MySQL queries to implement following join operations and nested subqueries
		CO 4	Develop MySQL queries to create a views and string operations
		CO 5	Develop a banking enterprise that perform all basic query operations
16SNMECS2	FUNDAMENTALS OF INFORMATION TECHNOLOGY	CO 1	To Provide the Basic Concepts in Information Technology
		CO 2	Develop the knowledge of working with Computers
		CO 3	Understand the basic Computer Software and also Database Management Systems
		CO 4	Understand the Computer Networks
		CO 5	Understand the applications of Computer Systems
16RSBE4:1	PAGE MAKER	CO 1	Introduction to various versions, concepts and applications of PageMaker
		CO 2	Working with various tools
		CO 3	Working with platters and various templates
		CO 4	Positioning ruler, typing text, basic formatting
		CO 5	Creating and opening publications



Name of the Programme: B. Sc., Computer Science		Semester – V	
Course Code	Name of the Course	Course Outcomes	
16SCCCS5	DATA STRUCTURES AND ALGORITHMS	CO 1	Understand the Concept of Stack and Queue Operations
		CO 2	Implementation of the various nonlinear data structures with their representation and perform different operations on them
		CO 3	Understand the concepts of Searching and Sorting techniques
		CO 4	Understand the Storage Techniques while Structure the Data
		CO 5	Understand and applications of the Data Structures
16SCCCS6	COMPUTER NETWORKS	CO 1	To understand the Design and Organization of Computer Networks
		CO 2	Understand the Topology and Protocols
		CO 3	Implementation of Network Layer services with the Internet Protocols
		CO 4	Understand the transformation of data through TCP Services
		CO 5	To Provide basic understand in the Application layer in Client-server Programming
16SCCCS7	DIGITAL ELECTRONICS AND MICROPROCESSOR	CO 1	Convert different type of codes and number systems which are used in digital communication and computer systems.
		CO 2	Analyse different types of digital electronic circuit and know the techniques to prepare the most simplified circuit using various mapping and mathematical methods.
		CO 3	Design different types of digital electronic circuits for particular operation, within the realm of economic, performance, efficiency, user friendly and environmental constraints.
		CO 4	Apply the fundamental knowledge of analog and digital electronics to get different types analog to digitalized signal and vice-versa converters in real world with different changing circumstances
		CO 5	Assess the nomenclature of Intel 8085 and apply the memory devices in different types of digital circuits for real world application.

16SCCCS7P	DIGITAL ELECTRONICS AND MICROPROCESSOR LAB	CO 1	To Impart Practical Training related to Digital Electronics and Microprocessors
		CO 2	Practical Digital Electronics Experiments for Verification of Logical gates and Construction of half and Full adder
		CO 3	Implementation of K Map, Shift Registers and Up Down Counters
		CO 4	Microprocessor Experiments for Eight Bit addition / Subtraction, Number Conversion
		CO 5	Perform the Data transfer and finding Maximum number in the set of Inputs
16SMBECS1:1	SOFTWARE ENGINEERING	CO 1	To provide knowledge of the various phases of Software Engineering Process
		CO 2	ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
		CO 3	Familiarize the basic object-oriented Concepts and User Interface design
		CO 4	Understand the Software Measurement and Metrics
		CO 5	Develop professional expertise in Web Engineering and Web services
16RSBE4:2	CORELDRAW	CO 1	Basic features of CorelDraw
		CO 2	Use of varies tools. Setting up drawing pages using ruler, grid and gridlines
		CO 3	Drawing and shaping object, drawing lines, curves, dimensions lines
		CO 4	Special effects to bitmaps by 3d
		CO 5	Working with style & templates
16RSBE4:3	DREAMWEAVER	CO 1	Use Adobe Dreamweaver to create personal and/or business websites following current professional and/or industry standards
		CO 2	Use critical thinking skills to design and create a basic, multi-page website
		CO 3	Create a template and wireframe for a website
		CO 4	Create links, add images to a web page, use tables for layout
		CO 5	Use Dreamweaver help to research and describe role of W3C in advancing HTML and CSS

Name of the Programme: B. Sc., Computer Science		Semester – VI	
Course Code	Name of the Course	Course Outcomes	
16SCCCS8	OPERATING SYSTEMS	CO 1	Introduction to Operating systems. Hardware, Software, Firmware Program development
		CO 2	Understand fundamental operating system abstractions such as processes, threads, files, semaphores, shared memory regions
		CO 3	Analyze important algorithms e.g., Process scheduling and memory management algorithms
		CO 4	Categorize the operating system's resource management techniques, dead lock management techniques, memory management techniques
		CO 5	Demonstrate the ability to perform Disk space allocation strategies and File allocation table (FAT)
16SCCCS9	PROGRAMMING IN PHP	CO 1	Introduction to the Scripting languages through PHP
		CO 2	Understand the essentials of PHP
		CO 3	Analyse the usage of Object-oriented Concepts in PHP
		CO 4	Capable to handle the File, Session, Cookie and FTP
		CO 5	Understand the AJAX Concepts
16SCCCS9P	PROGRAMMING IN PHP LAB	CO 1	To Impart Practical Training in PHP Programming Language
		CO 2	Be Familiar with the Arrays and User defined functions
		CO 3	Working with File Handling mechanisms
		CO 4	Design the Programs to handle session and Cookie
		CO 5	Design Program involving the AJAX Components
16SMBECS2:2	CLOUD COMPUTING	CO 1	To understand the concepts in Cloud Computing and its Security
		CO 2	Introduction to Cloud Computing and its architecture
		CO 3	Understand the Data Storage and Cloud Services
		CO 4	Impact on the security in cloud Computing environment
		CO 5	Understand the Practical Cloud applications of Google and Amazon