MVP Samaj's Commerce, Management and Computer Science(CMCS)College, Nashik-13 Course Outcomes - BBA(Computer Application)	
	Modern Operating Environment & MS Office
CO1	To develop knowledge about computer
CO2	To understand basic concept of operating system, Input-output devices
CO3	To provide the fundamental knowledge about MS-Office
CO4	To understand basic concept of Networking
	Financial Accounting
CO1	To enable the students to acquire sound knowledge of basic concepts of accounting
CO2	To impart basic accounting knowledge
CO3	To impart the knowledge about recording of transactions and preparation of final accounts
CO4	To acquaint the students about accounting software packages
	Programming Principal & Algorithms
CO1	To develop Analytical / Logical Thinking and Problem Solving capabilities
CO2	To develop knowledge about Algorithms and flowcharts
	Business Communication
CO1	To understand the concept, process and importance of communication
CO2	To develop an integrative approach where reading, writing, presentation skills are used together to enhance the students' ability to communicate and write effectively.
CO3	To make students familiar with information technology and improve job seeking skills
	Principles of Management
C01	To provide the fundamental knowledge about working of business organization.
CO2	To make students well acquainted with management process , functions and principles.
CO3	To make the students familiar with recent trends in management.
	Laboratory Course – I(MS-OFFICE,SCRATCH,TALLY)
CO1	To develop animation using scratch.
CO2	Helps students to work with well-known accounting software
CO3	Student will learn to create company, enter accounting voucher entries including advance voucher entries, do reconcile bank statement, do accrual adjustments, and also print financial statements
CO4	Demonstrate the basic mechanics of creating Word documents for office use. Demonstrate introductory formatting techniques and presentation styles Demonstrate working knowledge of producing a mail merge.
CO5	Create and design a spreadsheet for general office use and use of basic functions and formulas.
CO6	Demonstrate working knowledge of using clip art to enhance ideas and information in a

	PowerPoint presentation.
	Procedure Oriented Programming using C
CO1	Identify basic elements C programming structures like data types, expressions, control statements, various I/O functions and Evaluation of simple mathematical problems using control structures
CO2	Implementation of derived data types like arrays, strings and various operations.
CO3	Construct user defined structures and implement various applications
CO4	Create text & binary type files and understanding of various file I/O operations.
	Data Base Management System
CO1	Design and implement a database schema for a given problem-domain
CO2	Understand, appreciate and effectively explain the underlying concepts of database technologies
CO3	Normalize a database.
CO4	Populate and query a database using SQL DML/DDL commands.
	Computer Applications in Statistics
CO1	To understand the power of excel spreadsheet in computing summary statistics.
CO2	To understand the concept of various measures of central tendency and variation and their importance in business.
CO3	To understand the concept of probability, probability distributions and simulations in business world and decision making.
	Organizational Behavior
CO1	To equip the students to understand the impact that individual, group & structures have on their behavior within the organizations.
CO2	To help them enhance and apply the knowledge they have received for the betterment of the organization.
	E-Commerce Concepts
CO1	To understand the foundations and importance of E-commerce
CO2	To understand the impact of E-commerce on business models and strategy
CO3	To understanding legal issues and privacy in E-Commerce
CO4	To understand Internet trading relationships including Business to Consumer, Business-to-Business, Intra-organizational.
	Laboratory Course – II(C,DBMS & STATISTICS)
CO1	Read, understand and trace the execution of programs written in C language. Write the C code for a given algorithm.
CO2	Implement Programs with pointers and arrays, perform pointer arithmetic, and use the pre-processor. Write programs that perform operations using derived data types.
CO3	Design and implement a database schema for a given problem-domain Normalize a database Populate and query a database using SQL

CO4	DML/DDL Commands, Declare and enforce integrity constraints on a database
CO5	Evaluate various quantities for probability distributions and random variables.
	Relational Database Management Systems
CO1	Enables students to understand relational database concepts and transaction management concepts in database system
CO2	Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.
	Data Structures using C
CO1	To understand different methods of organizing large amounts of data
CO2	To efficiently implement different data structure
CO3	To efficiently implement solution for different problems
CO4	To get more knowledge on C programming language
	Operating System Concepts
CO1	To know system programming
CO2	To know services provided by operating system
CO3	To know the Scheduling concepts
	Software Engineering
CO1	This course enables students to understand system concepts and its application in Software development.
CO2	Understand importance of software engineering and software process concepts.
CO3	Learn about different software development process models and how to choose an appropriate one for project.
CO4	Gain confidence at having conceptualized, designed and implemented a working, medium sized project with their team.
CO5	Learn about and go through the software development cycle with emphasis on different processes- requirements, design and implementation phases.
	Business Mathematics
CO1	To understand applications of matrices in business.
CO2	To understand the concept and application of Permutations & Combinations in business.
CO3	To use L.P.P. and its applications in business.
CO4	To understand the concept of Transportation problems & its applications in business world.
CO5	To understand the concept of shares & share market.
	Laboratory Course – III(DS USING C & RDBMS)
CO1	Develop accurate, non-redundant data models; use stored procedures and triggers to extend DBMS capabilities.
CO2	Design and analyze the time and space efficiency of the data structure.

CO3	Understand which algorithm or data structure to use in different scenarios.
	OOP's using C++
CO1	Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.
CO2	Enables student to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.
	Programming in Visual Basic
CO1	To learn properties and events, methods of controls and how to handle events of different controls
CO2	To understand the use of active controls and how to design VB application To learn connectivity between VB and databases.
	Computer Networking
CO1	To know about computer network.
CO2	To understand different topologies used in networking
CO3	To learn different types of network.
CO4	To understanding the use of connecting device used in network.
	Enterprise Resource Planning
CO1	To know what is ERP
CO2	To learn different ERP technologies.
	Human Resource Management
CO1	To acquaint the students with the Human Resource Management its different functions in an organization
CO2	Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization
	Laboratory Course – IV(C++ & Java)
CO1	Analyze and explain the behavior of simple programs involving the fundamental C++ programming constructs.
CO2	Design, implement, test, and debug a program that uses each of the following fundamental programming constructs: basic computation, simple I/O, standard conditional and iterative structures, and the definition of functions.
CO3	Analyze program requirements, Design/develop programs with GUI interfaces, Code programs and develop interface using Visual Basic.Net, Perform tests, resolve defects, and revise existing code Readings.
	Java Programming
CO1	To learn the basic concept of Java Programming
CO2	To understand how to use programming in day to day applications.

	Web Technologies
CO1	To know & understand concepts of internet programming.
CO2	To understand how to develop web based applications using PHP.
	Dot Net Programming
CO1	This will introduce visual programming and event driven programming practically.
CO2	This will enhance applications development skill of the student
	Object Oriented Software Engineering
CO1	To Understand concept of system design using UML.
CO2	To understand system development through object oriented techniques.
	Software Project – I [Based on C++ / VB Technology and Practical
CO1	Understand .NET Framework and describe some of the major enhancements to the new version of Visual Basic.
CO2	Create applications using Microsoft Windows. Forms, Create applications that use ADO. NET, Working with XML Documents.
CO3	Knowledge of the Ant build tool to create/modify/manage a project that consists of C++ source code.
	Advanced Web Technologies
CO1	To know & understand concepts of internet programming.
CO2	To understand the concepts of XML and AJAX.
	Advanced Java
CO1	To know the concept of Java Programming.
CO2	To understand how to use programming in day to day applications.
CO3	To develop programming logic.
	Recent Trends in IT
CO1	To introduce upcoming trends in Information technology.
CO2	To study Eco friendly software development.
	Software Testing
CO1	To know the concept of software testing.
CO2	To understand how to test bugs in software.
CO3	To develop programming logic.
	Software Project – II Java / Dot net Technology and Practical
CO1	To understand Visual Basic.NET,Basic Graphical Interface Design
CO2	Knowledge of the Ant build tool to create/modify/manage a project that consists of both Java

	source code.
CO3	Deploy web applications, Create secure (authentication and authorization) web applications.
CO4	Create a rich GUI for web based application using a rich set of controls.
CO5	Create asynchronous web applications using ASP.NET AJAX.
CO6	Create and use web services.