



Maratha Vidya Prasarak Samaj's

COMMERCE MANAGEMENT & COMPUTER SCIENCE (CMCS) COLLEGE,

Gangapur Road, Nashik-13

Programme Outcome, Programme Specific Outcome and Course Outcome

CBCS 2019 Pattern

B.B.A (CA)

S.R.	Programme Outcomes
PO1	Develop right understanding with theoretical and practical concepts from which an advanced career in Computer Application can be developed.
PO2	Develop right skill oriented human resource.
PO3	Develop practical skills among students.
PO4	Develop the spirit of entrepreneurship.
PO5	Develop to students To make industry ready resource.

S.R.	Programme Specific Outcomes
PSO1	Students will able to understand, analyse and develop computer programs in the areas related to algorithm, system software, web design and networking for efficient design of computer based system.
PSO2	Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.
PSO3	Apply standard software engineering practices and strategies in software

	project development using open source programming environment to deliver a quality of product for business success.
PSO4	Design and develop Web and Mobile based computer applications

Subject	Course Outcomes(FYBBA(CA))
Business Communication Skills	CO1 To understand what is the role of communication in personal and business world
	CO2 To understand system and communication and their utility
	CO3 To develop proficiency in how to write business letters and other communications in required
Principles of Management	CO1 To understand basic concept regarding org. Business Administration
	CO2 To develop managerial skills among the students
	CO3 To examining how various management principles
	CO4 To acquaint the students about accounting software packages
C- Programming	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
Database Management Systems	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/DDDL commands.
Business Statistics	CO1 To understand role and importance of statistics in various business situations
	CO2 To develop skills related with basic statistical technique
	CO3 Develop right understanding regarding regression, correlation and data interpretation
Organizational Behaviour & Human Resource Management	CO1 To understand basic concept of HRM & OB
	CO2 To make aware students about traditional & modern methods of procurement & development in organization.
	CO3 To know the major trends in HRM & OB
Financial Accounting	CO1 To develop right understanding regarding role and importance of monetary and financial transactions in business
	CO2 To cultivate right approach towards classifications of different transactions and their implications
	CO3 To develop proficiency preparation of basic financial as to how to write basis accounting statement - Trading and P&L
Business Mathematics	CO1 To understand role and importance of Mathematics in various business situations and while developing software.
	CO2 To develop skills related with basic mathematical technique
Relational Data	CO1 Enables students to understand relational database concepts and transaction

Base	management concepts in database system.
	CO2 Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.
Web Technology (HTML-JSS-CSS)	CO1 To know & understand concepts of internet programming.
	CO2 To understand how to develop web based applications using JavaScript.
Principles of Programming and Algorithms (Add-on)	CO1 develop Analytical / Logical thinking and Problem solving capabilities
Advance C Programming (Add-on)	CO2 To study advanced concepts of programming using the 'C' language.
	CO3 To understand code organization with complex data types and structures.
	CO4 To work with files
Laboratory Course – I(C and DBMS)	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/DDDL commands. Declare and enforce integrity constraints on a database

Laboratory Course – 2(WT and RDBMS)	CO1 Understanding basic HTML designing
	CO2 Implement PL/SQL programs that use: procedure, function, package, cursor and trigger.
	CO3 Create Website using JavaScript, css.
	CO4 To perform advanced database operations.
Subject	Course Outcomes(SYBBA(CA))
Digital Marketing	CO1 The aim of this syllabus is to give knowledge about using digital marketing in and as business.
	CO2 To make SWOT analysis, SEO optimization and use of various digital marketing tools.
Data Structure	CO1 To understand the concepts of ADTs
	CO2 To learn linear data structures – lists, stacks, and queues
	CO3 To understand sorting, searching and hashing algorithms
	CO4 To apply Tree and Graph structures
Software Engineering	CO1 To understand System concepts.
	CO2 To understand Software Engineering concepts.
	CO3 To understand the applications of Software Engineering concepts and Design in Software development
Angular – JS	CO1 By the end of this course, the students should be able to Understand Client Side MVC and SPA
	CO2 Explore AngularJS Component

	CO3 Develop an AngularJS Single Page Application
	CO4 Create and bind controllers with Javascript
	CO5 Apply filter in AngularJS application
PHP	CO1 Understand how server-side programming works on the web.
	CO2 Using PHP built-in functions and creating custom functions
	CO3 Understanding POST and GET in form submission.
	CO4 How to receive and process form submission data.
	CO5 Read and process data in a MySQL database.
Big Data	CO1 To enable learners to develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning
	CO1 To enable the learner to identify, develop and apply detailed analytical, creative, problem solving skills.
	CO3 Provide the learner with a comprehensive platform for career development, innovation and further study.
Basic Course in Environmental Awareness	CO1 To provide an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment
	CO2 To develop conscious towards a cleaner and better managed environment
Advance Course in Environmental Awareness	CO1 Understand current concern about our impact on the environment.
	CO2 Recognize the things they do affect the environment.
	CO3 Promote green practices at home and at work.
	CO4 Describe what is being done and what we all can do to help prevent harm to

	the environment.
Networking	CO1 To gain knowledge about Computer Networks concepts.
	CO2 To know about working of networking models, addresses, transmission medias and connectivity devices.
	CO3 To acquire information about network security and cryptography.
Object Oriented Concepts Through CPP	CO1 Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design.
	CO2 Enable students to write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling.
Operating System	CO1 To know the services provided by Operating System
	CO2 To know the scheduling concept
	CO3 To understand design issues related to memory management and various related algorithms.
	CO4 To understand design issues related to File management and various related algorithms.
Subject	Course Outcomes(TYBBA(CA))
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 CO4 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	CO3 To know the concept of Java Programming.
	CO4 To understand how to use programming in day to day applications.
	CO5 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	CO3 To know the concept of software testing.
	CO4 To understand how to test bugs in software.
	CO5 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.