Shivraj College of Arts, Commerce and D.S.Kadam Science College, Gadhinglaj
Department Of BCA
Program Outcome (PO)

I.   Our graduates will apply their skills and knowledge in making their professional life successful.

II. Our graduates will meet the industrial requirements to fulfill the customer's needs.

III. Our graduates will demonstrate a sense of social and ethical responsibilities in their professional career.

IV. Our graduates will demonstrate strong human and inter-personal skills that help them to work in effective teams.

V.   Our graduates will show sense of belongingness & apply leadership skills to achieve organizational goals.

VI. Our graduates will be prepared for competitive exams.

Our graduates will be competitive enough to face challenges in dynamic IT industry.
Program Specific Outcome(PSO)

1. Use & apply system design engineering 'that process in order to design & implement software systems.
2. Develop & implement solution based system that will improve existing systems in IT industry.

3. Students will be proficient in applying IT in business.
4. Students will be familiarity with desktop publishing system.

5. Students can develop ability of designing database.
6. Student can develop structure of any system using tools like DFD,ERD.
7. Students will able to identify & describe network technology/security threads.
8. Students can develop skill of system analysis
9. Students can work as analysis's
10. Students can be good DBA
11. Students can develop ability of creating web portals, mobile application.

Course Outcome(CO)

Sem-I
Course Code :- AEC 103
Sub- Principles of Management

CO1-To know the nature, scope and functions of management.
CO2-To explain the nature, importance, methods and types of planning.
CO3-To describe the process, principles and structures of organization.
CO4-To understand motivation theories in management.
CO5-To illustrate the communication in management.

Sem-I
Course Code :- AEC 104
Sub- Business Communication

CO1-To define an importance of business communication, need of business letters, its function and kinds.

CO2-To explain various trade enquire.
CO3-To write up the banking, insurance agency corresponds.
CO4-To prepare application letters and business report presentation.

Sem-I
Course Code :- C 101
Sub- Fundamentals of computer
CO1-Understand basic concepts of computer.
CO2-Describe peripheral devices and number systems.
CO3-Understand operating environment.
CO4-Demonstrate the use of Linux operating systems commands.

Sem-I
Course Code-CC 102
Sub- Introduction to programming using 'C'
CO1-Able to implement the algorithm and draw flow charts for solving mathematical
      problem.
CO2-Ability to design and develop computer programs, analyzes and interprets the concept
      of pointers, declarations, initialization, operations on pointer and their uses.
CO3-Able to define data types and use them in simple processing applications and to use the
      concept of array of structure and file handling.
CO4-Develop confidence for self education and ability for lifelong learning needed for
      computer language.

Sem I
Course Code-AEC 205
Sub- Office Automation
CO1-Understand the concepts of office automation.
CO2-Perform operations using MS-Word & PowerPoint.
CO3-Surf details through internet.
CO4-Understand and discuss about the use of office package and internet in daily life.
Sem II
Course Code-CC 203
Subject-Object Oriented Programming with C++
CO1-To know the proper lines of c++, Encapsulation, Inheritance & polymorphism.
CO2-To explain the various datatypes,operators and functions of c++.
CO3-To know the concept of constructors & destructors.
CO4-To explain the concept of inheritance, types of inheritance and polymorphism, virtual
      function.
Sem II
Course Code-CC 201
Subject-DBMS
CO1-Elucidation of database system architecture and corresponding operations.
CO2-The relational approach & special relational operations.
CO3-The embedded SQL in detail.
CO4-To write up the hierarchical approach.

Sem II
Course Code-CC 202
Subject-Operating System

    CO1-Process knowledge of operating system and their types

    CO2-Apply the concept of a process and scheduling algorithms.

    CO3-Realize the concept of deadlock and different ways to handle it.

    CO4-Understand various memory management techniques and file system

Sem II
Course Code-AEC 204
Sub-Financial Accounting with Tally

    CO1-Understand the basic concepts of depreciation.

    CO2-Be able to develop an idea of investment accounts.

    CO3-Develop basic idea of hire purchase and installment accounting.

    CO4-Understand the procedure followed in branch of business organization.

Sem II
Course Code-AEC 205
Sub-Mathematical Foundation For Computer Application

CO1-Basic knowledge of set theory, functions and relations concepts, matrix needed for designing and solving problems.

CO2-Construct simple mathematical proofs & posses the ability to verify them.

CO3-Write an argument using logocal notation and determine if the argument is valid or is not valid.

CO4-Use graph algorithms to solve problems.

Sem III
Course Code-301
Sub-Cost Accounting

    CO1-To know the concept ,scope & classification of cost accounting.

    CO2-To understand the operate costing& contract costing.

    CO3-Write up the process costing.

    CO4-Detailed on material control & method issues.

Sem III
Course Code-304
Subject-Object Oriented Programming with C++

    CO1-To know the proper lines of c++, Encapsulation, Inheritance & polymorphism.

    CO2-To explain the various datatypes,operators and functions of c++.

    CO3-To know the concept of constructors & destructors.

    CO4-To explain the concept of inheritance, types of inheritance and polymorphism, virtual function.

Sem III
Course Code-303
Subject- System analysis and design

    CO 1: Introducing and understanding concept of system, characteristics, SDLC.

    CO2: System analysis Role and traits, preliminary analysis, fact finding, feasibility study.

    CO 3: System Design input design, output design, file design.

    CO 4: Testing and maintenance software testing strategies, system testing, debugging, maintenance.

Sem III
Course Code-305
Subject-Computer Oriented Statistical Methods
CO1-To know what is statistics and real life applications of it, To represent the   data.
CO2-To calculate different measures of central tendency and dispersion.
CO3-How to handle bivariate-data using correlation and regression concepts.
Sem III
Course Code-302
Sub-Human Resource Management
CO1- To acquire knowledge of HRM.
CO2-Role and functions of human resources.
CO3-Manpower planning and job description in the organization.
CO4- Labour welfare and social security.
 Sem IV
Course Code-401
Sub-Entrepreneurship Development
CO1 -To impact theoretical knowledge and entrepreneurship.
CO2 -To develop entrepreneurship qualities and skills.
CO3-To understand institutional support for entrepreneurship.
CO4 –To understand the project management of business organization.
Sem IV
Course Code-405
Sub-Mathematical Foundation For Computer Application
CO1-Basic knowledge of set theory, functions and relations concepts, matrix needed for
         designing and solving problems.
CO2-Construct simple mathematical proofs & posses the ability to verify them.
CO3-Write an argument using logocal notation and determine if the argument is valid or is not
         valid.
CO4-Use graph algorithms to solve problems.
Sem IV
Course Code-403
Sub-DBMS Using MS-Access
Co1-Describe the basic concepts of DBMS and various data bases used in real life applications.
CO2-Demonsrate the principles behind systematic database designs approaches.
CO3-Design the database structure by applying the concepts of Entity-relational model and
         normalization.
CO4-Learn MS-Asses for database creation and handling transactions.
Sem IV
Course Code-404
Sub-Web Technology
Co1-To understand the concept of internet and web development.
CO2-Describe and explain the all basic tags in HTML.
CO3-To describe the concept of Style-sheet and Java-Script.
CO4-To understand the concept of server side scripting and client side scripting.
Sem IV
Course Code-402

Sub-Organizational Behavior

Co1-To enable the students to acquire knowledge of organization behavior and human
psychology.
CO2-To know about motivation and teams.
CO3-To understand the concept of conflict and conflict management strategies.

Sem V
Course Code-501
Sub- Management Accounting

CO1-To explain the management accounting objective & scope.
CO2-To illustrate an analysis of liquidity, solvency & profitability ratio.
CO3-To compute working capital, fund flow and cash flow analysis.
CO4-To know the classification of budgets & its computation.

Sem V
Course Code-502
Sub-E-commerce

CO1-To define about E-commerce, types and components.
CO2-To explain electronic data interchange and its working mechanism.
CO3-To define electronic payment systems and smart cards, credit card & debit card.
CO4-To define E-security and concept of network fireball security and client server security

Sem V
Course Code-504
Sub- RDBMS with oracle

CO1-The basic concept of SQL and appreciate the application of database system.
CO2-The basic of SQL and construct queries using SQL.
CO3-Be familiar with the commercial relational database system(oracle) by writing SQL using
the system.
CO4-Uses of DML, DDL,DCL & TCL statements.
CO5-The basics of PL/SQL composite data types like procedure,functions,packages & triggers

Sem V
Course Code-503
Sub- Computer Network

CO1-Understand the concept of OSI and the TCP-IP reference models.
CO2-Learn the concept of error detection and correction methods.
CO3-Describe protocols like DNS,SMTP,SNMP,FTP,HTTP etc.
CO4-Students will get the concept of security.

Sem V
Course Code-505
Sub-Visual Programming

CO1-Knowing knowledge of .net framework,.net IDE and compiler
CO2-To develop programs using c#,concepts of type casting,memory management.
CO3-Concepts of Asp.net management,types of validator& life cycle
CO4-Basic knowledge of database connected & database disconnected

Sem VI
Course Code-604
Sub-Java Programming

CO1-Implement OOP concepts(class,constructor,overloading,inheritance,overriding) in
   java.
CO2-Expalin the fundamental concepts and features of java programming language.
CO3-Use and create packages and interfaces in java programming.
CO4-Implement multithreading and exception handling in java and java to implement
   applet and AWT.

Sem VI
Course Code-603
Sub-Linux Operating System
CO1-Learn operating system Linux.
CO2-Describe Directory & file command in Linux.
CO3-To learn the important Linux library function and system calls.
CO4-Explain securing files in Linux with access permissions and uses of
   conditional execution in shell scripts

Sem VI
Course Code-602
Sub-Data Mining And Data Warehousing
CO1-Undersatnd the principles of data mining.
CO2-Understand various clustering techniques for categorizing data
CO3-Understand the software for data mining and application of data mining

Sem VI
Course Code-601
Sub-Strategic Management
CO1-To know the core concepts in Strategic Management.
CO2-To understand Strategic Management process.
CO3-To know the tactics in Strategic Management.