STATEMENT OF SPECIFIC OUTCOMES (PSOS)

DEPARTMENT: COMPUTER SCIENCE

Programme: BVoc (Software Development)

By the end of this Programme, the students will be able to:

1. Design and implement software systems that meet specified design and performance requirements.

2. Apply fundamental principles and methods of Comp. Sci to a wide range of application.

3. Formulate solutions to computing problems.

4. Analyze and compare alternative solutions to computing problems.

Statement of Course Outcomes (COs)

Programme: BVoc SD   Course: System Analysis & Design

Course Outcomes: By the end of this course, the students will be able to:

1. Gather data to analyze and specify requirements of a system

2. Design system components and environment

3. Develop data flow diagram and decision tables.

4. Work as an effective tem member on assigned projects.

Programme: BVoc SD   Course: Web Designing using HTML

Course Outcomes: By the end of this course, the students will be able to:

1. Understand basic internet terms.

2. Create effective HTML pages.

3. Create cascading style sheets.

4. Create dynamic web pages.

5. Create websites.

Programme: BVoc SD   Course: Data Structure

Course Outcomes: By the end of this course, the students will be able to:

1. Determine appropriate data structure as applied to specified problem definition.

2. Explain the different mechanism involved in memory Mgt.

3. Understand the concept of avoidance, detection and prevention of Deadlock.

4. Explain pagging and segmentation.

Programme: BVoc SD   Course: DBMS & ORACLE

Course Outcomes: By the end of this course, the students will be able to:

1. Perform queries related to Data definition lang, Data manipulation lang and data control lang.

2. Create cursors and triggers.

3. Understand concept of ER model.

4. Perform normalization of database.

Programme: BVoc SD   Course: OS Concepts & LINUX

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand the basic set of commands and utilities in Linux

2. Understand the anatomy of Linux operating system.

3. Perform backup and to create compress file and decompress them.

4. Perform operation on process.

5. Understand KDE and GNOME desktop environment.

Programme: BVoc SD   Course: Object Oriented Prog. Using C++

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand key structured programming, constructs declaration sequence, selection, repetition evaluating expression.

2. Understand C++ functions and the concepts related to good modular designs.

3. Understand pointers and reference parameters; understand the creation of class and objects.

4. Handle files programmatically creating dynamic objects.

5. Understand virtual functions, need and pure virtual functions.

6. Understand mechanism of online function, constructors, destructors, operator overloading and exception handling.

Programme: BVoc SD   Course: Computer Fundamentals

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand the meaning and basic components of a computer system

2. Understand the role of CPU

3. Understand the concepts and need of primary and secondary memory.

4. Explain input and output devices.

5. Execute DOS commands.

6. Explain principle differences in various operating systems.

Programme: BVoc SD   Course: Programming in C

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand programming structures like sequence selection and iteration.

2. Draw algorithm and flowchart for any problem to solve them programmatically.

3. Understand basic concepts of programming in C.

4. Understand arrays, strings, functions, structures, unions and pointers.

5. Understand the sequential access and random access programmatically.

Programme: BVoc SD   Course: Applied Computer Skill-I

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand word's adanced formatting techniques and presentation style

2. Understand working knowledge of using word themes and clip art to create a variety of visual effects.

3. Uses of word tables to organize present data.

4. Compose mail merge letters and labels.

5. Able to prepare effective presentation.

Programme: BVoc SD   Course: Applied Computer Skill-II

Course Outcomes: By the end of this Programme, the students will be able to:

1. Enter and format data & apply airthmatic calculations.

2. Create simple graphs and charts.

3. Design a simple database.

4. Apply query using different methods.

Programme: BVoc SD   Course: Programming in Visual Basic

Course Outcomes: By the end of this Programme, the students will be able to:

1. Write, compile and execute applications using various controls like text box, command button.

2. Write, compile and execute applications using database connectivity like ADODC.

3. Create database using MS-Access and visual Data managers

4. Write, compile and execute Menu driven application.

Programme: BVoc SD   Course: Java Programming

Course Outcomes: By the end of this Programme, the students will be able to:

1. Understand model of Java Programming language.

2. Evaluate user requirement for software functioning.

3. Solve given problems using Java programming.

4. Create GUJ applications

5. Create web applications.

Programme: BVoc SD   Course: Applied Comp. Skills-III

Course Outcomes: By the end of this Programme, the students will be able to:

1. Describe how system analyst interacts with users, management and other systems.

2. Describe various types of systems.

3. Design system components and environment

4. Understand information life cycle.