PGDCA

Course Outcomes:

Course code: DCS-101/ DCS-105(P)

DCS-203

Course title: Computer Languages:

Fundamentals of Programming using C

Object Oriented Programming & C++

Theory/Lab: Theory and Lab

L.T.P.C.:4.0.3.7

Course Outcome:

Programming languages will acquaint the students with computing knowledge and analyze the problems.

These languages will also help the students to develop general purpose application based on C and C++Languages.

The students will learn about procedural programming using functions.

The learners will be able to understand Object oriented Approach for finding solutions to various problems with the help of C++ (Understand polymorphism and types and forms of inheritance).

Course code: DCS-102/ DCS-106(P)

Course title: PC Software

Theory/Lab: Theory and Lab

L.T.P.C.:4.0.3.7

Course outcome:

The subject pertains to provide students the basic knowledge of computer system. It aims to impart the knowledge of working and functions of the computer and its peripheral devices.

This subject will help the students have the working knowledge of MS Word, MS Excel and MS PowerPoint.

MS Word: It will help the students develop and edit the documents such as letters, reports, etc.

MS Excel: Students will be able to work with formulae and functions with this application software.

MS PowerPoint: It will enable the learners to create dynamic slide presentations. These presentations can incorporate animation, videos, images and much more.

Course code: DCS-201/ DCS-205(P)

Course Title: Data and File Structure

Theory/ Lab: Theory and Lab

L.T.P.C.:4.0.3.7

Course outcome:

Students will have the knowledge of basic data structure such as arrays, linked lists, stacks, queues and hash functions.

This course will help the students understand the concept of dynamic memory management, data types and algorithms.

In addition to this students can apply algorithm for solving problems like searching, sorting, insertion and deletion of data.

Course code: DCS-204/DCS-206(P)

Course Title: DBMS

Theory/ Lab: Theory and Lab

L.T.P.C.:4.0.3.7

Course outcome:

DBMS helps students to understand the concept of data models, three level architecture and relational database design.

Understand the Database handling during execution of the transactions along with concurrent access.

MS Access and SQL provide an interface to create, secure, maintain and query a database.

Course code: DCS-104

Course Title: Computer Organization and Architecture

Theory/ Lab: Theory

L.T.P.C.:4.0.0.4

Course outcome:

The students will have the basic understanding of addressing modes, computer organization and design, multiprocessors and memory organizations.

The course will help to understand the overall basic computer hardware structure, including the peripheral devices.

Course code: DCS-202

Course Title: System Analysis and Design

Theory/ Lab: Theory

L.T.P.C.:4.0.0.4

Course outcome:

The course will help the students to understand the life cycle of system's development project.

The course will help students experience in developing system's project documentation.

It will help the learners understand how an orderly grouping of independent components when linked together according to a plan, achieve a specific goal.

Course code: DCS-103

Course Title: Operating System

Theory/ Lab: Theory

L.T.P.C.:4.0.0.4

Course outcome:

The course will provide the knowledge of how an operating system acts as an interface between hardware and the student, making it easier for user to access and use other resources.

It will help the learner acquire knowledge about various process management and CPU scheduling.

Students will learn about program development and execution, access to input output devices, system access, error detection and responses.
