Department of Information Technology
Noorul Islam College of Arts and Science, Kumaracoil

Course Outcomes

Programming in C:
Objective:
To know the concepts of procedure oriented programming and discussed the important features of C
Outcomes:

- Understand the concepts of structure programming.
- Ability to write simple application using C.

Introduction to Information Technology and HTML:
Objective:
To explain Internet technology and web design.
Outcomes:

- Gain knowledge of basic Internet protocols.
- Basic understanding of HTML tools for internet programming.
- Basic understanding of DHTML.

Office Automation:
Objective:
To gain fundamental knowledge of office automation packages.
Outcomes:

- Knows the application of computers in office in the day to day life.
- Knows method of doing simple calculation using spreadsheet package.
- Ability to present a product using PowerPoint.

Principles of Information Technology:
Objectives:

- To learn about information technology
- To know about AMPS, PCS, CDMI and MMDS.

Outcome: Knowledge in Frequency Spectrum, CDMA, TDMA, Wireless LAN are acquired.

Object oriented programming with C++:
Objectives:

- C++ Programming by examples can be used as an alternative approach to learn the language by putting practice over theory
- In any case this will require you to have greater level of expertise. You will need to understand how C++ files are organised, and have to know how to operate a compiler and understand some nuances that will not be visible in code.

- To understand that you will be able to read and program in C++, to some degree but to get to really understand the language, theory, not only practice is required.

Outcome: students will be able to write programs in C++.

Data Structures:

Objectives:

- To enable the student to understand the concepts of data structure such as arrays, stacks,queues, linked lists, trees and graphs.
- It also explains the different sorting and searching methods.

Outcome: Skills in linked list,stacks, search and sorting are obtained.

DTP:

Objective:

To impart the fundamental concept of DTP

Outcomes:

- Understanding of the various applications of DTP.
- Students can use PageMaker and CorelDraw for self-employment.

Java Programming:

Objectives:

- To enable the students to design and develop enterprise strength distributed and mult-tier applications using Java technology.
- To enable students to learn advanced Java programming concepts like interface, threads, applets etc, and to develop network programs in Java.

Outcome: Basic ideas of Java programming will be obtained.

Operating system:

Objectives:

- To have a thorough knowledge of processes, scheduling concepts, memory management, I/O and file management systems in operating system.
- To learn about UNIX and Linux operating system.

Outcome: Students will obtain knowledge in information, memory, and interprocess communication management of operating system.

Operation Research and Numerical Analysis:

Objectives:

- To know about transportation and assignment problems in Operation Research
- To solve sequencing problem and simultaneous equations.

Outcome: Students will be able to solve Transportation problem, Assignment problem, and sequencing problem.

Relational Database Management System:

Objectives:

- The area of relational database management system is crowded with a vast number of quality products.
- This paper Objectives to provide the students a strong foundation in database technology and to learn the fundamentals of data models to make a study of SQL and relational database design.

Outcome: Knowledge about design RDBMS, SQL, PL/SQL will be obtained.

Software Engineering:

Objectives:

- To learn the methodologies involved in the development and maintenance of software over its entire life cycle
- To understand the concepts of modelling, implementation and various testing strategies and the use of CASE tools.

Outcome: Obtain knowledge in software development process, testing and maintenance as well as CASE tools.

Wireless Application Protocol:

Objectives:

- To study about WAP architecture.
- To learn about WAP gateways
- To know about WML decks

Outcome: Students will obtain ideas about WAP application, gateways and WML.

Data Communications and Networking:

Objectives:

- To learn the concepts, terminologies and technologies used in modern days data communication and computer networking.
- To make the students to get familiarised with different protocols and network components.

Outcome: Students will obtain skills in different networking layers, protocols and components while data communication.

Multimedia Technology:

Objectives:

- To impart the fundamental concepts of Multimedia.
- To study the graphics techniques and algorithms, multimedia concepts.
- To enable the students to develop their creativity.

Outcome: Basic ideas of images, audio, video and animation are obtained.

.NET Programming:

Objectives:

- The objective of this course is to teach the design of web application for the students who already have mastered the fundamentals of the language.

- Students will learn to build and test larger projects using procedures, objects, debugging tools and data files.

Outcome: Students can develop programs in .NET application, HTML, XML and ADO access.

Management Information Systems:

Objectives:

- To develop and implement management information systems in order to deliver cost effective Information and Communication Technology (ICT) solutions that strengthen the efficiency of business processes, introduce better controls, greater accountability and improved decision making.

Outcome: Skills in MIS application will be improved.

Internet Security:

Objectives:

- To learn the basic concepts of computer security.
- To know the different classes of attack in security.
- To make the students to get familiarised with firewalls, proxy servers and cryptography.

Outcome: Knowledge will be obtained in internet security attacks, cryptography concepts.

Introduction to Information Technology:

Objectives:

- To discuss the basic structure and operation of a digital computer and to discuss in detail the operation of the arithmetic unit including the algorithms.
- To study the memory system including cache memories and to study different way of communicating with I/O devices and also scripting languages.

Outcome: Obtain knowledge in computer storage, I/O media and internet.

Basic Programming Design:

Objectives:

- To discuss the basic programming language and debugging.
- To study the multidimensional arrays.

Outcome: Students will acquire knowledge in algorithms, flowcharts and arrays.