FYBSc IT Sem I

COURSE NAME: IMPERATIVE PROGRAMMING

COURSE OUTCOME:

Students understand the basics structure of Programming Language (C language) and learn to draw flowcharts and write Algorithms which helps them to develop logic.

COURSE NAME: DIGITAL ELECTRONICS

COURSE OUTCOME:

Students get knowledge of study of different types of number systems, their conversions and their use in electronics world. They gain knowledge of logic gates.

COURSE NAME: OPERATING SYSTEMS

COURSE OUTCOME:

Students learn about operating system and gain knowledge regarding hardware use in computer and details of virtualization and cloud concept.

COURSE NAME: DISCRETE MATHEMATICS

COURSE OUTCOME:

Students formulate the problems in language of sets and apply fundamental principle of counting and learn to read and interpret the information given, graphically.

COURSE NAME: COMMUNICATION SKILLS

COURSE OUTCOME:

Students develop the skill to communicate verbally or through formal letters, reports, memos and emails and presentations.

FYBSc IT Sem II

COURSE NAME: OBJECT ORIENTED PROGRAMMING

COURSE OUTCOME:

Students understand the basic concepts of object oriented programming, use of inheritance and functions.

COURSE NAME: MICROPROCESSOR ARCHITECTURE

COURSE OUTCOME:

Students understand the concept of Assembly language and learn different types of instructions with respect to 8085 microprocessor and execute assembly language program.

COURSE NAME: WEB PROGRAMMING

COURSE OUTCOME:

Students understand basic working of Internet and World Wide Web and develop ability to design web pages using Hyper Text Markup Language (HTML) and JavaScript and PHP.

COURSE NAME: NUMERICAL AND STATISTICAL METHODS

COURSE OUTCOME:

Students are able to approximate the solution of differential equations, which is clearly used in almost every field of science like control systems and are able to forecast future opportunities and risks which is the most prominent application of regression analysis in business

COURSE NAME: GREEN COMPUTING

COURSE OUTCOME:

Students gain knowledge objective and standard for green computing and understand the importance of minimizing power use and cooling along with concept of recycling and reuse.

SYBSc IT Sem III

COURSE NAME: PYTHON PROGRAMMING

COURSE OUTCOME:

Students understand the basic structure of Python Programming Language and learn to implement object oriented concepts in Python. Students are able to design GUI Applications using Python widgets

COURSE NAME: DATA STRUCTURES

COURSE OUTCOME:
Students understand the data structure and programs related to arrays, Linked List, Stacks and Queues.

COURSE NAME: COMPUTER NETWORKS

COURSE OUTCOME:
Students understand how data communication work and gain knowledge of wireless Lan and MAC system.

COURSE NAME: DATABASE MANAGEMENT SYSTEMS

COURSE OUTCOME:
Students understand the concept of database architecture, data Models and database and also learn to develop PL/SQL programs.

COURSE NAME: APPLIED MATHEMATICS

COURSE OUTCOME:
Students understand the complex numbers and matrices and are able to solve the sums using integration.

COURSE NAME: MOBILE PROGRAMMING

COURSE OUTCOME:
Students are able to design mobile applications.

SYBSc IT Sem IV

COURSE NAME: CORE JAVA

COURSE OUTCOME:
Students gain knowledge of Java platform and language, followed by instructions for setting up a development environment consisting of a Java Development Kit (JDK). Students are able to design windows-based application using AWT (Abstract Windows Toolkit).

COURSE NAME: INTRODUCTION TO EMBEDDED SYSTEMS

COURSE OUTCOME:
Students gain knowledge about embedded system and are able to design program for embedded system. Students understand to develop the real time embedded system.

COURSE NAME: COMPUTER ORIENTED STATISTICAL TECHNIQUES

COURSE OUTCOME:
Students are able to analyze numerical data using different types of averages and measures of dispersion and learn to use sampling theory to establish relationship existing between population and samples. Also they become aware of hypothesis testing.

COURSE NAME: SOFTWARE ENGINEERING

COURSE OUTCOME:
Students understand the basics of Software design, SDLC and become aware of quality standards.

COURSE NAME: COMPUTER GRAPHICS AND ANIMATION

COURSE OUTCOME:
Students understand Working of a Cathode Ray Tube Monitor and learn to implement Line Drawing Algorithms and are able to apply transformations on 2D and 3D objects in real world. And understand how animation works using graphics.

TYBSc IT Sem V

COURSE NAME: SOFTWARE PROJECT MANAGEMENT

COURSE OUTCOME:
Students get an idea of project management and project planning. They come to know about various risks and understand the importance of software quality.

COURSE NAME: INTERNET OF THINGS

COURSE OUTCOME:

Students understand Internet of Things, Arduino and Raspberry Pi and learn to develop IOT based applications.

COURSE NAME: ADVANCED WEB PROGRAMMING

COURSE OUTCOME:

Students learn to use the principles of object oriented programming techniques using C# and to create a Web Application with Visual Studio.NET. Students learn to develop web application using Ajax.

COURSE NAME: ENTERPRISE JAVA

COURSE OUTCOME:

Students learn to develop large-scale, multi-tiered, scalable, reliable, and secure network applications. A shorthand name for such applications is "enterprise applications," so called because these applications are designed to solve the problems encountered by large enterprises.

COURSE NAME: LINUX SYSTEM ADMINISTRATION

COURSE OUTCOME:

Linux is superior to other Unix-like operating systems in several respects. It is free both in a monetary sense (i.e., that it can be obtained by anybody at no cost) and in the sense that anyone is permitted to use it for any purpose. Another advantage of Linux is that it can operate on a much wider range of hardware than most other operating systems.

TYBSc IT Sem VI

COURSE NAME: SOFTWARE QUALITY ASSURANCE

COURSE OUTCOME:

Students understand basic concepts of software quality and essentials of testing and skills required by a tester

COURSE NAME: SECURITY IN COMPUTING

COURSE OUTCOME:

Students learn the best practices for network defense and the process of Encryption/Decryption. Students also learn to use of intrusion detection systems.

COURSE NAME: BUSINESS INTELLIGENCE

COURSE OUTCOME:

Students learn the working of Decision Support System and are able to demonstrate Mathematical models for decision making. They also learn Data Mining techniques.

COURSE NAME: GEOGRAPHICAL INFORMATION SYSTEM

COURSE OUTCOME:

Students learn the concept of GPS (Global Positioning System). After this, students can develop maps to show geographical location of a particular address.

COURSE NAME: CYBER LAWS

COURSE OUTCOME:

Students learn the "Information Technology Act, 2000" in detail. Sections under the Act, how they are applicable in real world, learn about its adjudication and penalties.Students gain knowledge of Case Studies on how do various cyber-crimes happen like Hacking, Cyber Fraud.

COURSE NAME: ADVANCED MOBILE PROGRAMMING

COURSE OUTCOME: Students gain knowledge of Android Studio IDE and features available on android which enable them to develop android app.