

COMPUTER SCIENCE GENERAL COURSE

COURSE OUTCOME

SEM 1: Problem Solving using Computer::

By this course they will learn fundamental of computing system and they will able to develop Computer program by using computational and mathematical knowledge appropriately. They will learn different techniques of Problem Solving and detail study of python programming.

SEM 2: Database Management Systems::

By this course they will learn about database. They will learn how to manage a database and different database model. They will able to design and manage database system.

SEM 3: Operating Systems::

By this course they will learn about Operating Systems. They will familiar with different types of Operating Systems and its organization. They will learn about process management, scheduling and memory management techniques.

SEC-1: Office Automation Tools::

By this course they will learn about different Office Automation Tools like Word processor, Spreadsheet and Presentation tools. They will able to use these tools according to its requirement.

SEC-1: System Administration and Maintenance

By this course they will learn about administration and Maintenance of operating systems in a client-server technology with windows and Linux operating systems.

SEM 4: Computer System Architecture

By this course they will learn about basic architecture and principles of computer organization. They will learn how to represent data and functioning of a digital computer. They will also learn about Control unit, Arithmetic & Logical unit, Memory unit and the I/O unit. They will understand Basic Computer programming execution.

SEC – 2 :

HTML Programming::

By this course they can create Web pages. They will learn use of HTML tags and tag attributes to design a Web page. They will also understand how to link web pages.

XML Programming::

By this course students will understand Mark-up Languages and they can apply XML concepts to develop Web application. They will also learn basics Style Sheet –XSL.

SEM 5: Programming in Java

By this course they will learn about Object oriented concepts and how to design the real world scenarios using top down approach. They will learn Basic Java programming, JDK Environment, Exception Handling, File Handling and Applet Programming.

DSE-1A : Software Engineering

By this course they will able to design a software to meet user requirement in a systematic way within predetermine time considering real constraints. They will learn different Software life cycle models, requirements for software development, Designing Concepts and Principles, Software Configuration Management, Software Project Management and how to complete Testing of software.

SEC – 3: MySQL/ PL-SQL

By this course they will learn how to create database and different tables, how to insert data in a table and fetch different data from tables. They will learn different commands related to SQL and PL-SQL and its uses.

SEC – 3: Concepts of Software Testing

By this course they will study elaborately about software testing and different testing methodologies.

DSE-1B: Computer Networks

By this course students will learn how to share resources i.e., data, software or it may be physical devices also ignoring physical location of resources or users. They will learn Network Classification, Network Topologies ; network protocol; layered network architecture and Network Security.

DSE-1B: Internet Technologies Theory:

By this course they will study Internet technology concepts and principles. They can design web page with Customized Features and JavaScript. They will also learn JDBC Fundamentals for establishing Connectivity and working with connection interface. They will also learn Java Server Pages, HTTP and Servlet Basics.

SEC – 4 : PHP Programming

By this course students will learn open source Web scripting language PHP. They will learn Handling HTML form with PHP.

SEC – 4 : Programming in Visual Basic

By this course students will learn Visual Basic Programming language to develop windows based software with Graphical User Interfaces.

PROGRAM OUTCOME

BSc Computer Science will enable students for solid foundation of Computational system. Students will be able to apply computational and mathematical knowledge appropriately. They can develop computational system according to requirement and they will be able to use current tools and techniques for different computing system.