Telangana Tribal Welfare Residential Degree College for Men, Kamareddy

Sarampally X Road, Kamareddy, 503111

Ph: 7901097707

Department of Computer Science

Course Outcomes

Semester I – Programming in C

CO 1	Understanding Computer Fundamentals. Explore algorithmic approaches to problem solving.
CO 2	Ability to analyze a problem and devise an algorithm to solve it
CO 3	Able to formulate algorithms, pseudo codes and flowcharts for arithmetic and logical problems.
CO 4	Ability to implement algorithms in the ‘C’ language. Develop modular programs using control structures and arrays in ‘C’.
CO 5	Working with User Defined Data Types like Structures, Unions. Also includes the concepts of external file handling through C programming.

Semester II - Programming in C++

CO 1	Describe the object-oriented programming approach in connection with C++.
CO 2	Apply the concepts of object-oriented programming.
CO 3	Illustrate the process of data file manipulations using C++.
CO 4	Design object oriented solutions for small systems involving multiple objects.

Semester III - Data Structures using C++

CO 1	Understand different methods of organizing large amount of data using data structure
CO 2	Able to choose appropriate data structure as applied to specified problem definition.
CO 3	Understand various techniques for representation of the data in the real world.
CO 4	Analyze real life problems for data and functionality, compare the efficiencies of different ways of solving problems.
CO5	Able to compute the complexity of various algorithms.
CO 6	Implementing searching and sorting.

Semester IV - Data Base Management Systems

CO 1	: Understand database concepts and structures and query language.
CO 2	Analyze and design a real database application. Understand the E R model and relational model.
CO 3	Develop and evaluate a real database application using a database management system. Perform PL/SQL programming using concept of Cursor Management, Error Handling, Package and Triggers.
CO 4	Understand query processing and techniques involved in query optimization.
CO 5	Understand the principles of storage structure and recovery management.

Semester V - Programming in Java

CO 1	To implement Object oriented programming paradigms using Java language
CO 2	To implement multiple classes using Inheritance and how to access arrays and Strings in Java.
CO 3	Understand thread concept and use different methods to create threads.
CO 4	Understand exception handling concept and to create user defined exceptions.
CO 5	Analyze platform independent application runtime environment and choose appropriate runtime environment to create GUI and Web applications using Java language.

Semester VI - Web Technologies

CO 1	Explain the history of the internet and related internet concepts that are vital in understanding web development.
CO 2	Discuss the insights of internet programming and implement complete application over the web.
CO 3	Demonstrate the important HTML tags for designing static pages and separate design from content using Cascading Style sheet.
CO 4	Utilize the concepts of JavaScript and Java.
CO 5	Use web application development software tools i.e. Ajax, PHP and XML etc. and identify the environments currently available on the market to design web sites.