



Course Brochure

'C' Language

Overview

•In computing, **C** is a general-purpose computer programming language originally developed in 1972 by Dennis Ritchie at the Bell Telephone Laboratories for use with the Unix operating system. Although C was designed for implementing system software, it is also used for developing application software. It is widely used on a great many different software platforms and computer architectures, and several popular compilers exist. C has greatly influenced many other popular programming languages.

Pre-requisites

•Knowledge of any Operating System preferable.

Applications

COURSE CONTENTS

- ❖ Introduction to Computers, S/W, Types of S/W and O/S.
- ❖ Language and Generations of Languages
- ❖ Introduction to C
- ❖ Features of C
- ❖ Steps to approach to C Programme
- ❖ Translators
- ❖ Compiling the C Programme
- ❖ Operators
- ❖ Control Statements
 - Sequential Control Statements
 - Condition Control Statements
 - Case Control Statements
 - Loops (or) Iteration Control statements
- ❖ Pointers and types of Pointers
- ❖ Functions
- ❖ Arrays using pointers
 - Single Dimensional Arrays
 - Searching Techniques
 - 2D-Array and Matrices
- ❖ Strings using pointers
- ❖ Storage Classes
- ❖ Structures
- ❖ Unions and Enumeration
- ❖ Command line arguments
- ❖ Files
- ❖ Preprocessors
- ❖ Data structures
 - Stack
 - Queue and Circular
 - Queue
 - Linked List
 - Single linked list
 - CSLL
 - DLL
 - CDLL
 - Trees
- ❖ Introduction to Device Driver Programming