

C and C++

Faculty : Durgaprasad Vecherla, Fee: 2000/- Duration : 30 to 40 days Daily 1 hour class

C language

- C Language Overview
- C Programs
- C Environment Setup
- Text Editor
- The C Compiler
- Installation on Windows
- C Program Structure
- C Basic Syntax
- C Data Types
- C Variables
- C Constants and Literals
- C Storage Classes
- C Operators
- Decision Making in C
- C Loops
- C Functions
- C Scope Rules
- C Arrays
- C Pointers
- C Strings
- C Structures
- C Unions
- Bit Fields
- Typedef
- Input & Output
- File I/O
- Preprocessors
- Header Files
- Type Casting
- Error Handling
- Recursion
- Variable Arguments
- Memory Management
- Command Line Arguments

C++ language

- C++ Tutorial
- Overview
- Environment Setup
- C++ Basic Syntax
- Comments
- Data Types
- Variable Types
- Variable Scope
- Constants/Literals
- Modifier Types
- Storage Classes
- Operators
- C++ Loop Types
- Decision Making
- Defining a Function
- Numbers
- Arrays
- Strings
- Pointers
- References
- Date and Time
- Basic Input/Output
- Data Structures
- Classes and Objects
- Inheritance
- Overloading
- Polymorphism
- Data Abstraction
- Data Encapsulation
- Interfaces
- Files and Streams
- Exception Handling
- Dynamic Memory
- Namespaces
- Templates
- Preprocessor
- Signal Handling
- Multithreading
- Web Programming