# BASIC EDUCATION
## DEVELOP YOUR INNER SKILLS

| | |
|---|---|
| Course Name: | **"Learn C With Data Structures and Algorithms"** |
| Classes: | **Trice a Week** |
| Total Classes: | **26 ± 2** |
| Class Time: | **Sunday, Tuesday, Thursday** |
| Class Hours: | **09:00 PM to 10:30 PM** |
| Class Duration: | **1.30h** |
| Classes Will Start: | **Will be Announced** |
| Session Type: | **Online** |
| Platform: | **Google Meet** |
| Class Link: | **Given in the Batch Group** |
| Class Recordings: | **Available** |
| Batch: | **DO-35** |
| Batch Group Platform: | **Telegram** |
| Batch Group Link: | **Given During Registration** |

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Google Meet

Find us on: facebook

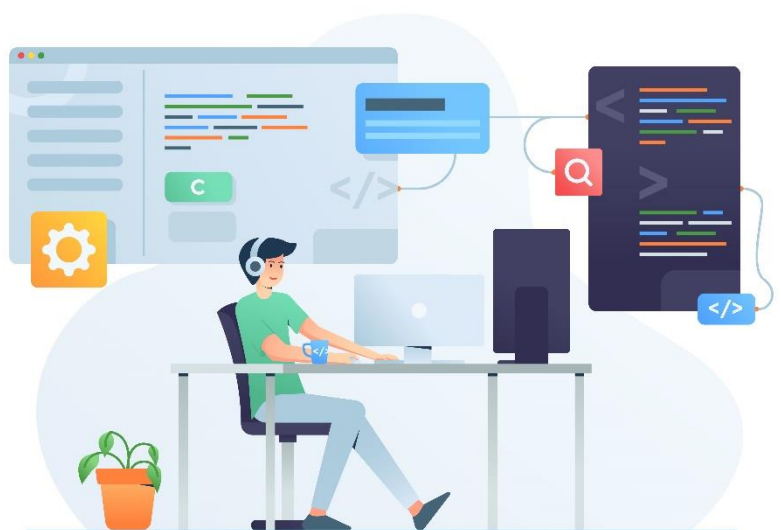**C** Programing

# Learn C Programing and Data Structure!

C is a powerful general-purpose programming language. It can be used to develop software like operating systems, databases, compilers, and so on. C programming is an excellent language to learn to program for beginners.

C programming language is a MUST for students and working professionals to become a great Software Engineer specially when they are working in Software Development Domain.

REGISTER NOW

# Course Module

❖ **Introduction**
  ➢ Skill Development
  ➢ Orientation
  ➢ Getting Started with C
  ➢ Syntax in C
  ➢ Output
  ➢ Comments
  ➢ Keywords

❖ **Getting into C**
  ➢ Compiler
  ➢ Assembler
  ➢ Interpreter
  ➢ Variables
  ➢ Data Types
  ➢ Constants
  ➢ Operators

❖ **Basic Pre-Defined Functions**
  ➢ If-Else
  ➢ Switch
  ➢ While Loop
  ➢ For Loop
  ➢ Break – Continue

❖ **Basic Functions & Operations**
  ➢ Basic Array
  ➢ Basic String
  ➢ User Input
  ➢ Debugging

❖ **Introduction to Memory**
  ➢ Memory Address
  ➢ Pointers

❖ **Basic Maths**
  ➢ Basic Mathematical Operations
  ➢ Basic Arithmetical Operations

❖ **Going Advanced**
  ➢ Advanced Array (i)
  ➢ Assignment Operations
  ➢ Unary Operations
  ➢ Relational Operations

❖ **Advanced Maths**
  ➢ Advanced Mathematics (i)
  ➢ Advanced Mathematics (ii)
  ➢ Series and Patterns
  ➢ Advanced Array (ii)

❖ **High Level C Programming**
  ➢ Basic Project Development
  ➢ Functions, Function Parameters & Functions Declaration
  ➢ Function Recursion & Math Functions
  ➢ Structures (i)
  ➢ Structures (ii)
  ➢ TypeDev, Union, Advanced Pointers
  ➢ Files in C

❖ **Data Structures & Algorithms**
  ➢ Introduction to Data Structures and Algorithms, Time Complexity
  ➢ Searching and Basic Sorting
  ➢ Stack, Queue, Concept of Linked List
  ➢ Advanced Linked List
  ➢ Tree
  ➢ Advanced Sorting Algorithms
  ➢ Priority Queue

❖ **Finishing The Course**
  ➢ Advanced Project Development
  ➢ Problem Solving (Bee-Coder)
  ➢ Certification

Available Courses:

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