

Course Content

CREST Placement Program

If you are targeting big MNCs like TCS, Infosys, Wipro, IBM etc. this program is the best fit for you. It helps you to master most in demand skills by these companies by laying more emphasis on the required modules like Aptitude, Soft Skills, Basic coding and many more under mentorship and guidance of experts from the IT industry. If you are confused about how, when or from where you should start the preparations then you should enroll in this course and our experts will help you with everything/anything required to get prepared for these companies

Student can CHOOSE the program in any one language (C, C++ or Java)

Module 1: C Language

- Data Types
- Operators and Expressions
- Formatting Input/Output
- Decision Making, Arrays and Pointers, Character Arrays and Strings
- Functions
- Recursion
- Structures and Unions
- File Handling

Module 2: C++ Language

- Data Types
- Operators and Expressions
- Formatting Input/Output

- Decision Making, Arrays and Pointers, Character Arrays and Strings
- Functions
- Recursion
- Structures
- Object Oriented Concepts in C++
- Inheritance
- Abstract Classes
- Virtual Function
- Standard Template Library(STLs)
- File Handling

Module 3: Java

- Introduction to Java
- Java Fundamentals
- OOPs Concepts
- Inheritance
- Encapsulation
- Polymorphism Abstraction
- Strings
- Exception Handling
- Generics
- Collections
- Multithreading
- File Handling

Module 4: Operating System

- Introduction to Operating System

- Process Concepts
- Threads
- Process Scheduling
- Process Synchronization
- Deadlocks
- Memory Management
- Virtual Memory Management
- File System
- Secondary Storage

Module 5: Database Management System

- Introduction to DBMS
- Entity Relationship Model
- Enhanced Entity Relationship Model
- Relational Model
- SQL
- Relational Database Design
- Storage and File Structure
- Transaction Management

Module 6: Data Structures & Algorithms

- Pointers
- Structures
- Arrays and Pointers
- Linked List
- Stacks
- Queues
- Trees

- Heap
- Graphs
- Recursion
- Algorithms Overview
- Time and Space Complexity
- Sorting Algorithms
- Searching Algorithms