Course Content

Zenith Placement Program

Less than 1% students get placed in companies like Microsoft, Amazon, Google, Facebook, DirectI, etc. and this program ensures you are in that 1%. It is crafted to get students placed in these companies. Starting from devising a plan for you to solving your queries till the day of your interview you will have an expert mentor from one of these companies with you. Mastering DS/Algo, problem solving along with strong knowledge of required computer science subjects is a key to get placed in these companies and in this program, students get proficient in all of these. After this program students will be able to easily solve complex problems asked in Coding interviews of these companies and will have clear concepts of Data Structures, OS, DBMS, C , Java and much more.

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
- OOOPs 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
- Divide and Conquer
- Greedy Algorithm
- Back Tracking
- Dynamic Programming
- String Matching

Module 7: Aptitude

- Number system
- HCF & LCM
- Time, Speed & Distance
- Permutation & Combination
- Time & Work
- Percentages
- Profit & Loss
- Series & Progression
- Geometry
- Probability
- Mixtures & Allegations
- Sentence Completion
- Reading Comprehension
- Para jumbles
- Vocabulary
- Synonyms, Antonyms
- Grammar
- Error Identification

- Sentence Improvement and Construction
- Data Interpretation
- Cryptarithmetic
- Data Sufficiency
- Deductive Logic
- Coding pattern
- Number series pattern recognition
- Logical word sequence