

Course Content

Pinnacle Placement Program

If you want to get placed in companies like Samsung, Oracle, SAP you are at the right place. Getting placed in companies requires you to have a good grasp on DS, OS, DBMS, C/Java along with decent coding skills. Through the Pinnacle placement program you will master concepts of OS, DS, DBMS , C/JAVA and will also develop good coding skills and aptitude required 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
- 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
- Cryptarithmic
- Data Sufficiency
- Deductive Logic
- Coding pattern
- Number series pattern recognition
- Logical word sequence