Placement Oriented Professional Course

Java-DSA

Java / Advanced Java

- Introduction to Java
- Installation & Environment Setup
- Datatypes & Operator
- Control Flow
- Logic Building
- Input in Java
- JVM Architecture-I
- Arrays
- Strings
- Classes and Objects
- Constructor
- Encapsulation
- Inheritance
- Packages & Access Modifiers
- Polymorphism
- Abstraction
- Interfaces
- Inner classes
- Exception Handling
- Collection Framework

- Advance JVM-II
- File Handling & I/O
- JDBC (Database Connectivity)
- Java 8+ Features
- Multithreading
- Networking & Security
- Abstract Window Toolkit (AWT)
- Swing
- Event Handling
- Servlets
- Java Server Pages (JSP)

DSA

- Introduction to DSA & Problem Solving
- Arrays & Important Techniques
- Recursion
- Searching Algorithms
- Sorting Algorithms
- Linked Lists   Stack
- Queue   Trees
- Graphs

Career Oriented Professional Course

Java-DSA

DBMS

- Introduction to DBMS
- Relational Model
- Keys (Detailed)
- CRUD Operations (Basic + Advanced)
- Joins (Complete)
- Aggregate Querie
- Subqueries
- Views
- Indexing
- Transactions & Concurrency Control
- Topic sign & Normalization
- Transaction Recovery & Logging
- Query Optimization (Basic Exposure)

OS

- Introduction to Operating Systems
- Process Management
- CPU Scheduling
- Inter-Process Communication (IPC)
- Deadlock
- Memory Management
- Virtual Memory (Advanced)
- File System & Storage Management
- I/O Management & Device Management
- OS Security & Protection
- Real OS Case Studies & Modern Trends

Interview Preparation	✓		Expert Trainers	✓
Resume Building	✓		Online / Offline Modes	✓
Placement Assistance	✓		Practical Oriented Course	✓