

Diploma in Java

2. Database

1. Programming Fundamental

Programming in C

- Introduction to Programming
- Data Types, Operators
- C Instructions and Rules for Writing
- Control Structures
- Functions
- Pointers
- Array, Strings
- File I/O
- Structures and Union

Programming in C++

- OOP's Concepts.
- References & const.
- Function Overloading.
- Inline functions.
- Namespace.
- Constructors, Destructors.
- Const member Functions.
- Static data member.
- Static member Functions.
- Operator Overloading.
- Conversion Functions.
- Exceptions Handling.
- Manipulators.
- Inheritance.
- Polymorphism.
- Virtual Functions.
- Abstract Class.
- RTTI.
- Templates.
- STL.

- Database Connections
- Managing Database Connections
- Performing Queries
- Closing Connection
- Create Database & Table
- Drop Database & Table
- Insert Record
- Select Record
- Deleting Record
- Modifying Record
- WHERE Clause
- Using Operators
- Sorting Records
- Eliminating Duplicates
- Grouping Records, Having Clause
- Joining Tables
- Sub queries
- Using Table And Column Aliases

3. O/s and Networking

- Introduction
- Operating-System Structures
- Process Management
- Memory Management
- Storage Management
- Protection And Security
- Distributed Systems
- Special -Purpose Systems
- Network Basics
- Classification of Networking
- Network Topology
- TCP/IP Fundamentals

Diploma in Java

4. JAVA Technology

Core Java

- Introduction
- OOP's Programming Concepts
- Language Basics
- Classes and Objects
- Interface and Inheritance
- Numbers and Strings
- Packages
- Exception Handling
- File Handling
- Threading
- Generics
- Annotations
- Java Database Connectivity
- Swing

Advance JAVA

- JDBC Introduction
- JDBC Architecture
- JDBC Basics
- Getting Started with Swing
- Using Swing Components
- Initial Thread
- Event Dispatcher Thread
- Worker Thread and Swing Worker
- Swing Applets
- Servlet life cycle
- Writing Service Method
- Servlet Filtering .
- Invoking Web Resources
- Accessing Web Context.
- Session Management
- Java Server Pages

5 .Advance Concepts

- Spring
- Hibernate
- Strut

6. Project

- Project Document
- Project Design
- Technical Document
- Functional Document
- Development Phases
- Testing
- Implementation
- Maintenance

7. Certification

- Applying for certification
- Preparation for certification
- Certificate guidance

8. Aptitude Test Preparation

- Abstract reasoning
- Verbal reasoning test
- Numerical Reasoning Test
- Spatial reasoning
- Mechanical reasoning

9. C.V. and Interview

- CV preparation
- Mock Interviews

10. Live Scenario