Java / J2EE Training Syllabus

Duration: 180 Hours

Cost: 12,000

Java

- ❖ Introduction to Oops Concepts
- ❖ Java Introduction
- ❖ Java Fundamentals
- ❖ Java Programming
- ❖ Data types
- ❖ Operators
- ❖ Programming Constructs
- ❖ Arrays
- ❖ Classes & Objects
- ❖ String Class
- ❖ Constructors
- ❖ Inheritance
- ❖ Abstract & Static Class
- ❖ Interface & packages
- ❖ Exception handling
- ❖ Streams & Files
- ❖ Multithreading
- ❖ Collection Framework

JDBC

- ❖ JDBC Overview & Architecture
- ❖ JDBC Driver Types
- ❖ Types of ResultSet
- ❖ Statement, PreparedStatement, CallableStatement
- ❖ Executing DDL and DML Commands
- ❖ Joins and Transactions

SERVLETS

- ❖ Servlet Overview
- ❖ Life cycle of Servlet
- ❖ Handling Web Form Data in Servlets.
- ❖ Dynamically including Content in Servlets.
- ❖ Handling Exceptions in Web Applications.
- ❖ Reading and Setting Cookies.
- ❖ Session Tracking
- ❖ Servlet Filters
- ❖ Accessing Databases
- ❖ Internationalization
- ❖ Binding, Accessing, and Removing Attributes in Web Apps
- ❖ Managing Email
- ❖ File Upload

JSP

- ❖ Overview of JSP
- ❖ JSP Architecture & life cycle
- ❖ Components of Java Server Pages
- ❖ Implicit Objects & Standard JSP Tags
- ❖ Scope of JSP objects
- ❖ Dynamically including content in JSPs
- ❖ Handling Form data in JSPs
- ❖ Accessing Databases
- ❖ Tag Libraries
- ❖ Internationalization
- ❖ Binding, Accessing, and Removing Attributes in Web Apps.
- ❖ Managing Email
- ❖ File Upload

Struts2

- ❖ Introduction toStruts2
- ❖ Struts2Architecture
- ❖ Actions, Interceptors and Type Conversion
- ❖ Value Stack/OGNL

- ❖ UI Component Tags and Results
- ❖ Validation Framework
- ❖ Database Access
- ❖ Internationalization
- ❖ Integration with Spring and Hibernate

Hibernate

- ❖ Introduction to Hibernate
- ❖ Hibernate Architecture
- ❖ Understanding Object Persistence
- ❖ Hibernate Basics
- ❖ Collections and custom types
- ❖ Querying Persistent Objects
- ❖ Hibernate Query Language (HQL)

Eclipse IDE Basics

Best Practices

Mini Project

Interview Preparation