JAVA & J2EE TRAINING COURSE CONTENT

Module 1: Introduction to Core JAVA

Session 1: Getting Started with Java SE , Datatypes and Variables

Session 2: Introduction to Objects

Session 3: Data Types and Operators

Session 4: Object-Oriented Programming

Session 5: Characters and Strings

Session 6: Modular Programming

Session 7: Java Object Oriented Programming

Module 2: Overview of Java and Advanced Java Features

Session 1: Overview on Java Programming

Session 2: Java Environment Setup and write 1st Program

Session 3: Comments in Java

Session 4: Modular Programming

Session 5: Java Modifiers

Session 6: Exception Handling and More Flow Control

Session 7: Inner Classes

Session 8: Introduction to Threads

Session 9: Java Conditional Statements

Session 10: Java Loop Statements

Session 11: Arrays in Java

Session 12: Java Built in Methods

Session 13: Java User defined Methods

Session 14: File and IO operations in Java

Session 15: Exception Handling in Java

Session 16: Runnable Threads, **Coordinating Threads**

Session 17: Advanced Java Features

Session 18: Inheritance, **Abstraction**, **Polymorphism**, **Encapsulation**

Module 3: Programs using Java

Module 4: J2EE Syllabus

Session 1: Introduction to J2EE

Session 2: J2EE Overview

Session 3: J2EE Architecture, J2EE APIs

Session 4: J2EE Containers

Session 5: Java Server Technologies

Module 5: Advance JDBC Programming

Module 6: Advance JDBC Programming

Session 1: Overview of Database Driver Architecture

Session 2: Introduction to JDBC Standard Extension API (javax.sql)

Session 3: JDBC Programming with ORACLE, MYSQL, **etc**

Session 4: Connecting to non-conventional databases

Session 5: Database cashing (case study with HSDB,CSQL)

Session 6: Working with Multiple Databases