Java: Syllabus

Course objective: To enlighten and energize the student's Java programming ability by providing crucial and deep information in the world of Java

Module 1: Introduction to Java: Importance and applications of Java-step by step Java installation- jvm, and jdk- Introduction to OOP concept-abstraction, encapsulation, and polymorphism-naming conventions in Java.

Module 2: Programming with core Java: First Java program, variables and constants in Java- control flow programming (branching statements and looping statements)-Exceptions handling (Both try-catch and throws) - Multi threaded programming in Java-I/O Streams in Java- Package programming (both in build-packages and user-defined packages)-Java GUI (AWT & SWING).

Module 3:J2EE programming: Client-Server Architecture in Java-Socket programming- JDBC architecture (JDBC-ODBC connector, JDBC -MySQL connector)-Java programming in web (JSP)

Module 4: Java Frame works: Spring and Spring MVC