

# JAVA

## Day wise Break up

DAY	MODULE	TOPICS
Day 1 & 2	Module 1 -A	JAVA PROGRAMMING-I (APPLET)
Day 3 & 4	Module 1 -B	JAVA PROGRAMMING-II (APPLICATIONS)
Day 5 & 6	Module 2	JAVA-EJAP J2EE ENTERPRISES JAVA BEANS (EJB)
Day 7 & 8	Module 3	JAVA SERVER PAGES (JSP)
Day 9 & 10	Module 4	STRUTS FRAME WORK

## **JAVA PROGRAMMING-I (APPLET)**

- Introduction of Java
- Object oriented Approach in Java
- Java Fundamentals
- Java Programming
- Color, Fonts and Graphics in Java
- Java GUI Components
- Event Handling
- Animation and Threads
- Package and Interfaces
- Stream and Files

## **JAVA APPLICATION JAVA PROGRAMMING-II (APPLICATIONS)**

- Java Database Connectivity (JDBC)
- Object Serialization
- Networking Programming (Socket Programming)
- Java Servlets
- Java Beans
- Remote Method invocation
- Java Virtual Machine
- Collections
- Swings

## **JAVA-EJAP J2EE ENTERPRISES JAVA BEANS (EJB)**

- Introduction
- Architecture of enterprise Java Beans
- Implementing a Simple Enterprise Bean
- EJB Session Beans
- Exception Handling and Security Management

## **JAVA SERVER PAGES (JSP)**

- Introduction
- JSP Scripting Elements
- JSP Directives
- JSP and Java beans
- Creating Custom JSP Tag Libraries
- Request Handling, Exception Handling and Database Connectivity
- Expression Language
- JSTL

## STRUTS FRAME WORK

- Introduction to Struts
- MVC Architecture
- Apache Struts: Processing Request with Action Object
- Apache Struts: Handling request parameters with form Beans
- Apache Struts: Validating Input
- Using JSP standard Tag Library (JSTL) with Struts
- Apache Struts: Prepopulating and Redisplaying Input Forms
- Simplifying Access to java Code: The JSP 2.0 Expression Language