Advance Java

Duration: 60 Hrs.

Course Highlights :

Basics of a Web application

o   Web application

o   Web client and web server

o   Client and server communication

o   HTTP protocol basics

o   HTML language basics

o   TCP/IP port, URL

o   Need for a Web Container

Web Container and Web Application Project Set up

o   To set up Tomcat Container on a machine

o   To set up a Servlets JSP project in Eclipse

o   To configure dependency of Servlet JSP APIs

o   Web application project structure

Servlets

o   Introduction to Servlets

o   HTTP Methods; GET, POST, PUT, DELETE, TRACE, OPTIONS

o   GET/POST request; differences between the two

o   Servlet Lifecycle

o   Servlet Context and Servlet Config

o   Forwarding and Redirection of requestsSession Management

o   Servlet Deployment

o   Servlet Collaboration: sendRedirect & RequestDispacher

- o Introduction to session and need for session

- o Session information passing between client and server

- o Session information passing mechanisms - Cookies, Rewriting

- o Destroying a session

Java Database Connectivity

- o Uses of JDBC
- o Database Connectivity

JSP

- o Introduction to JSP and need for JSP

- o Basic HTML tags

- o JSP Lifecycle

- o Jsp implicit Object

- o Jsp:forward

- o Jsp:include

- o JSP Session

- o JDBC Driver

- o Java Bean: get & set Property, <jsp:useBean>.

- o Session Beans: Stateless Session Beans, Stateful Session Beans, Singleton Session Beans.

- o EJB: Overview of EJB, Types of EJBs, Introduction: Introduction to Java EE Applications, Architecture & Container.

JSP Elements

- o Scriptlets

- o Expressions

- o Declarations

- o Significance of above elements and fitment into the JSP Lifecycle

- o What are Directives in JSP?

- o Page Directive
- o Include Directives
- o Taglib Directive

JSP Tag library

- o JSP Standard Actions
- o Expression Language
- o JSTL basics and it's usage
- o Need for Custom Tag Library
- o Custom Tag Library implementation

Project

Exit Profile : Java Developer

Certificate & Placement assistance will be provided after completion of the course & clearing exams.

Course Objective :

Advance Java certification course is designed by experienced professionals to match the current industry requirements and demands. You will learn the importance of Java in real time environment and will be able to develop applications based on the Advance Java tools & concepts.