

Advanced Java Technology

Duration: 5-6 Weeks (Weekdays /Weekends Batch)

Prerequisites

- Knowledge of Core Java Programming.

Module I:

1. Java Swing

- Swing Introduction,
- Swing Controls,
- Swing Event classes,
- Event Listeners,
- Event Adapters,
- LayoutManagers

2. JDBC

- Common JDBC components
- Steps to connect to the database using MySQL and oracle database
- Types of JDBC statements - statements, preparedStatement and callableStatement
- Transactions management in JDBC
- CRUD operation using preparedStatement
- Calling Stored procedure using callableStatement
- How Result Set Works in JDBC

3. SERVLET

- Servlet - environment setup
- ServletConfig and ServletContext parameters
- Servlet life cycle
- Servlet Attribute And Servlet Parameters

- Exploring Deployment Descriptor (web.xml)
- Session Tracking In Servlet
- Servlet Filter
- Types Of Filter
- Servlet Filter Mapping In Web.Xml,
- Servlet-listener
- Various Servlet Listener
- Servlet Listener Configuration
- servlet-security
- Details about MVC architecture
- Practical exposure on MVC using JSP and Servlet.

4. JSP 2.X

- JSP - Overview
- JSP - Life Cycle
- JSP API
- JSP-Scripting Elements
- JSP- Directive Elements
- Types Of JSP Scopes
- JSP - Custom Tags
- JSP-Implicit Objects
- JSP - Standard Tag Library (JSTL)
- JSP - Expression Language (EL)
- JSP - Exception Handling