

Syllabus: Advanced Java Programming (J2EE)

(Web-Server&support Technologies)

Java Database Connectivity

- JDBC Product
- Types of Drivers
- Two-Tier Client/Server Model
- Three-Tier Client/Sever Model
- Basic Steps of JDBC
- Creating and Executing SQL Statement
- The Result Set Object
- Working with Database MetaData
- Interface

Servlets

- Servlet Interaction & Advanced Servlets
- Life cycle of Servlet
- Java Servlet Development Kit
- Javax.servlet package
- Reading Servlet Parameters
- Reading Initialization Parameters
- The javax.servlet.http Package
- Handling HTTP

JavaServer Pages

- JSP Technologies
- Understanding the Client-Server Model
- Understanding Web server software
- Configuring the JSP Server
- Handling JSP Errors
- JSP Translation Time Errors
- JSP Request Time Errors
- Creating a JSP Error Page

RMI

- RMI Architecture
- Designing RMI application
- Executing RMI application

EJB

- Types of EnterpriseJava beans
- Session Bean & Entity Bean
 - Features of Session Bean
 - Life-cycle of Stateful Seession Bean
 - Features of Entity Bean
 - Life-cycle of Entity Bean
 - Container-managed Transactions &
 - Bean-managed Transactions
 - Implementing a container-manged Entity Bean

XML

- What is XML?
- XML Syntax Rules

Struts

- Introduction to the Apache Struts
- MVC Architecture
- Struts Architecture
- How Struts Works?
- Introduction to the Struts Controller
- Introduction to the Struts Action Class
- Using Struts ActionFrom Class
- Using Struts HTML Tags
- Introduction to Struts Validator Framework
- Client Side Address Validation in Struts
- Custom Validators Example
- Developing Application with Struts Tiles

Hibernate

- Introduction to Hibernate 3.0
- Hibernate Architecture
- First Hibernate Application