

TIB ACADEMY

TRAINING IN BANGALORE

DELIVERING THE BETTER TRAINING



Flexible, Affordable, Accessible service.



CALL US

+91 9513332301



TIB ACADEMY'S SERVICE FEATURE



Affordable Fees

We provide quality training with lowest price. This opportunity is available only at TIB Academy.



Experienced Trainers

Learn technology with a experienced professional who have expertise in their particular technology.



Flexible Timings

We believe that everyone should get the opportunity to learn their desired course. So we provide flexibility timings.



Java™

J2EE

Quick Contact



Second Floor and Third Floor, 5/3 BEML Layout, Varathur Main Road, Kundalahalli Gate, Bengaluru, Karnataka 560066

www.traininginbangalore.com



info@tibacademy.com



+91 9513332306





Java EE Introduction

- Java EE Overview
- Java EE Technologies
- Java EE Architecture
- MVC
- Servlets and JSP with the JSP Standard Tag Library (JSTL) Web Application Basics
- How the Web works, Thin Clients, TCP/IP
- HTTP overview, Brief HTML review
- Overview of Java EE, servlets & Web applications.
- Servlet Basics
- Servlet API
- HTML Forms
- HTTP: Request-response, headers, GET, POST
- Overview: How Servlets Work
- Servlet Lifecycle: `init()`, `service()`, `destroy()`
- Requests and responses
- Core Servlet API: `GenericServlet`, `ServletRequest`, and `ServletResponse`
- HTTP Servlets: `HttpServletRequest`, `HttpServletResponse`, and `HttpServlet`





- Accessing Parameters
- Additional Servlet Capabilities
- HTTP headers and MIME types
- RequestDispatcher: Including and forwarding
- Sharing data with the request object attributes
- Sharing data with ServletContext attributes
- Error Handling
- JavaServer Pages
- Basics and Overview
- JSP architecture
- JSP tags and JSP expressions
- Fixed Template Data
- Lifecycle of a JSP
- Model View Controller (MVC)
- Model 1/Model 2 Architecture
- Data Sharing among servlets & JSP
- Object scopes or “buckets”
- Request, application, session and page scope
- Predefined JSP implicit objects (request, session, application, page)





- `<jsp:useBean>`
- `<jsp:getProperty>`, `<jsp:setProperty>`
- `<jsp:include>`, `<jsp:forward>`
- Using Custom Tags
- Custom tags overview
- Reducing JSP complexity
- Tag Libraries
- Tag Library Descriptor (TLD)
- Loading a tag library in a web app
- The JSTL
- JSP Expression Language (EL)
- Using custom tags
- The `c:url`, `c:param`, `c:forEach`, `c:out` tags
- More JSP Capabilities and Session Management
- HTTP as a stateless protocol
- Hidden form fields
- Cookies: Overview, API, Using cookies
- Session overview: Cookies and session tracking
- HttpSession
- Putting data into a session object
- Retrieving data from a session object





- Using session data in servlets and JSPs
- Additional JSP Capabilities
- Exception handling and error pages
- Directives (page, include, others)
- Import declarations
- Multithreading considerations and data safety
- SingleThreadModel interface
- Additional JSP Capabilities
- JSP Directives
- JSP Error Pages
- JSP and Java
- Declarations, Scriptlet overview, Scriptlet syntax
- More JSTL
- Overview of JSTL libraries
- The JSTL Expression Language
- Expressions, Type Coercion, Operators, String concatenation, Implicit Objects
- The Core JSTL Library
- General Purpose: c:out, c:set, c:catch
- Conditional: c:if, c:choose,
- Overview of other capabilities & Additional Topics





Servlet Filter overview

- Filtering examples, lifecycle, & filter chains
- Filter API, Modifying a request, modifying a response

JDBC

- Introduction
- Relational Database and JDBC Overview
- Overview, Table Relationships, Web Based Data Access, JDBC Characteristics
- JDBC Architecture, JDBC API Overview
- Driver Manager, JDBC Drivers
- Naming databases with JDBC URLs
- Connecting to a database
- Connection interface, Establishing a connection
- DataBase MetaData
- Handling Database Exceptions
- Data Access
- DAO – Data Access Objects, O-R Mapping, Value Objects
- Processing Database Data
- Executing statements, precompiled statements and stored procedures
- Processing ResultSets,





- Dealing with Null data
- Updating, inserting, retrieving data
- Controlling Transactions
- JDBC Driver Types
- DataSource
- Java EE and DataSource, Using JNDI
- Connection Pooling
- Overview, Usage, Advantages

For More Visit : <https://www.traininginbangalore.com/j2ee-training-in-bangalore/>





Other Activities

Assessments

- **Objective Assessments**

- Syntactical based
- Scenario based

Note: At least 2 objective based assessments in each module

- **Hands On – Practical Assessments**

- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

- **Hands On – Practical Assignments**

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- **Regular tasks on each module**

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- **Work on one or two mini projects**
- **Discuss and convert the current working project into Java Based project to add in resume & to explain J2EE Based experience in interviews**