Java Enterprise Edition Syllabus 60 hours

➤ Introduction

- ✓ Course Overview
- ✓ JEE
- ✓ Web Application
- ✓ Full stack development
- ✓ Course Outline

➤ JDBC

- ✓ Introduction To JDBC
- ✓ Introduction To DBMS
- ✓ History And Editions Of JDBC
- ✓ JDBC Architecture
- ✓ How JDBC Manages Connections To The Database ?
- ✓ JDBC Packages
- ✓ Steps Required In JDBC Programming

➤ Database

- ✓ SQL -Database language
- ✓ Query –insert , update , delete
- ✓ Executing Non Select Queries From JDBC
- ✓ Dynamic SQL
- ✓ PreparedStatement

➤ Advance JDBC

- ✓ Creating scrollable and updateable ResultSet
- ✓ ResultSet concurrency
- ✓ Insert update delete in Resultset

- ✓ How to retrieve date from database ?
- ✓ How to store date in the database ?
- ✓ How to insert images in the database ?
- ✓ How to retrieve images from the database ?
- ✓ Executing batch updates.
- ✓ Executing batch updates using statements.
- ✓ Executing batch update for prepared statement.
- ✓ Transaction management.
- ✓ Disconnected architecture.
- ✓ Establishing connection to database with a CachedRowSet.
- ✓ Updating the CachedRowSet.
- ✓ Inserting records in CachedRowSet.
- ✓ Deleting a record .

➤ Servlets

- ✓ Servlets Introduction
- ✓ What Is The Need Of A Servlet ?
- ✓ Servlet Container
- ✓ Request and response of Servlet
- ✓ LifeCycle Of a Servlet
- ✓ Introduction To GenericServlet class
- ✓ Creating The Sevlet.
- ✓ Introduction To HttpServlet
- ✓ Differences With GenericServlet
- ✓ Introduction To doGet( ) and doPost( )
- ✓ Writing Servlet By Extending HttpServlet
- ✓ Calling Servlet Using HTML Page
- ✓ Methods Of ServletRequest And HttpServletRequest
- ✓ Obtaining Client Info
- ✓ Reading Form Parameters
- ✓ Connecting A Servlet To The Database
- ✓ Inter Servlet Communication
- ✓ Transferring Request
- ✓ Using Request Redirection
- ✓ Using Request Dispatching
- ✓ Using forward( ) and include( )

➢ Parameters

- ✓ **Introduction To Initialization Parameters**
- ✓ **Using Servlet Initialization Parameters**
- ✓ **Using Context Initialization Parameters**
- ✓ **Using Context Listener**

➢ JSP (Java Server Pages)

- ✓ **Introduction To JSP**
- ✓ **Servlet v/s JSP**
- ✓ **Request Processing In JSP**
- ✓ **JSP Tags**
- ✓ **Types of JSP Elements**
- ✓ **Scriptlet Tag**
- ✓ **Declarative Tags**
- ✓ **Expression Tag**
- ✓ **List Of Implicit Objects In A JSP Page**
- ✓ **Comments**

➢ MVC (Model View Controller)

- ✓ **The MVC Model**

➢ Directives

- ✓ **Introduction To JSP Directives**
- ✓ **The @page Directive**
- ✓ **Attributes of @page Directive**
- ✓ **The @include Directive**

➢ Session Tracking

- ✓ **Introduction To Session Tracking**
- ✓ **Session Tracking Mechanisms**
- ✓ **Using Hidden Field**

➢ Cookies

- ✓ **Introduction To Query String**
- ✓ **Using Cookies**
- ✓ **Important Methods Of Cookies**

Thank You