

## **J2EE Module :**

- **HTML**

1. Introduction to Html
2. Html tags
3. Table tags
4. Merging of rows & columns
5. Lists
6. Form tags
7. Form validation

- **CSS**

1. Inline css
2. Internal css
3. External css
4. Css selectors
  - a. Name selector
  - b. Id selector
  - c. Class selector

- **JavaScript**

1. Introduction to Javascript
2. Syntax
3. Javascript in Head, Body & external Javascript
4. Variables
5. Data types
6. Operators
7. Conditional statements
8. Methods
9. Functions

- **JQuery**

1. Introduction to JQuery
2. JQuery Syntax
3. Example
4. JQuery selectors
5. Effects in jQuery
6. Events in JQuery

- **SERVLET**

1. Introduction to servlet
2. HTTP protocol
3. Servlet LifeCycle

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4. How servlet works
5. Generate Html
6. Generic & Http servlet
7. Handling request & response
8. forward() & sendRedirect() methods
9. Session tracking mechanisms
10. Interacting with Database
11. Simple project with Servlet

● **JSP**

1. Introduction to jsp
2. Advantage of jsp
3. Jsp Architecture
4. Jsp Processing
5. Jsp LifeCycle
6. Scripting elements
7. Nine Implicit objects
8. Jsp Directives
9. Jsp Action tags
10. Jsp custom tags
11. Interacting with database
12. Simple project using JSP

● **JSTL**

1. Introduction to JSTL
2. Advantages
3. Jstl core tags
4. Jstl functions
5. Jstl Sql tags

● **XML**

1. Introduction to Xml
2. Features
3. Example
4. Root , Child & Subchild
5. Difference btwn Child elements & Attributes
6. XML Tree
7. Rules for well formed XML
8. XML Css
9. XML Schema
10. CDATA & PCDATA
11. XML parsers

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12. Example Programs to create xml file and parse data from an xml file

1.

- **AJAX**

1. Introduction to AJAX
2. Servlet and JSP with AJAX
3. Interacting with Database

- **IDE**

Activities

1. Weekly Presentations
2. Assessment Test
3. Mini Project

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