

## **WEEK WISE BREAK UP OF SUBJECT SYLLABUS**

**Subject: Web Development with JAVA**

**code 303**

**: Technology: CIT**

<b>S.No</b>	<b>SUBJECT TOPICS / SUBDIVISION</b>
<b>1</b>	Introduction to Subject and course outline, related Books and website.
<b>2</b>	Introduction to Web Development What is a Web Application? HTTP Basics and Types of HTTP Requests Server Side and Client side Programming Web Application Layers
<b>3</b>	Setting up Development Environment Installation of Apache Tomcat Server Installation of IDE (NetBeans/ Eclipse ) Standard Directory Structure of Java Web Application Development of Web Application
<b>4</b>	Introduction to HTML Describe Html Document Structure and Tags Simple Html Code. Structure of HTML Code How to difference elements and tags
<b>5</b>	Formatting HTML Page. Head Section Elements Body Section Formatting. Block-level Elements Font Size/Color/Style. Bold/Italic/Underline What is attributes of tags.
<b>6</b>	Formatting Paragraph. Using Horizontal Lines Order Lis and unordered List.
<b>7</b>	Working On Images. Background Images Inserting Animated Images. Slider tags, marquee

S.No.	SUBJECT TOPICS / SUBDIVISION
8	Inserting Table. Cell Padding Attributes Cell Spacing attributes. Table with Images.
9	Multimedia Execute Audio and video File
10	Html Forms. Insert Form elements ,text, number and Insert buttons
11	Option Button. Check Boxes Combo Boxes and List Box. Text Area
12	Inserting Form Splitting Web Page Through Frames Iframe and target attributes
13	Describe CSS Style Structure class and id. CSS apply methods (inline, internal and external) DIV Tags Advance Page Layout Header, Footer, Navigation, Aside , Article and Section tags
14	Javascript Introduction to Javascript Basic Syntax of java script
15	Alert , Confirm and prompt Boxes Declare and Uses Variables Condition and looping in java scripts
16	Function and html event handling Hiding and Showing Elements with Styling Elements Using JQuery and JQuery Selectors Validating Forms Manipulating Form

<b>S.No</b>	<b>SUBJECT TOPICS / SUBDIVISION</b>
17	Java Servlets What is a Servlet? Advantages of Servlet Servlet Types Writing Basic Hello World Servlet Servlet Life Cycle Servlet and Forms , Servlet and Input Validation
18	Java Server Pages Introduction Life Cycle of JSP JSP Elements JSP Standard Actions
19	Session Management What is a Session? What is a Cookie? URL Rewriting Hidden Field Working with HTTP Session
20	JDBC Programming Introduction Configure MySQL Connecting to the Database Accessing Data The execute Query Method The execute Update Method
21	Custom Tags Custom Tags Overview Custom Tag Handlers Customizing Tag behavior with attributes
22	Java Server Faces Introduction Using JSF with JSP JSF Life Cycle Events Handling JSF Tag Library