Training Syllabus (Java)
Lecture wise

Foundation of 'HTML & CSS'

L.N.	Content	Hours
1	1) Introduction of Web pages 2) Introduction of Websites 3) Introduction of Web Browsers 4) Introduction of HTML a. What is Hypertext? b. What is Markup language 5) History of HTML 6) How to use HTML to create web pages? 7) What is tag? 8) What is element? 9) HTML tag 10) Head tag a. Title tag b. Style tag c. Script tag d. Noscript tag e. Link tag f. Meta tag g. Base tag 11) Body tag 12) Attributes	2
2	1) Text Editing tags a. H1, h2, h3, h4, h5, h6, p, pre, center, br, hr, b, strong, i, em, u, ins, s, strike, del, sup, sub, big, small 2) Lists a. Ordered List (ol, li) b. Unordered list (ul, li) c. Definition list (dl, dt, dd) 3) Table (table, tr, th, td, thead, tbody, tfoot) 4) Marquee (marquee) 5) Image (img) 6) Hyperlink (a)	2

3	1) Form
	    a. input (type=text, number, date, email, password, url, range, button, submit, reset, radio, checkbox)
	    b. textarea
	    c. label
	    d. fieldset
	    e. legend
	    f. select
	    g. option
	    h. optgroup
	    i. button
	    j. datalist
		2

4	1) div
	2) span
	3) iframe
	4) video
	5) audio
	6) Introduction of CSS
	7) Selectors
	8) Properties & values
	9) Text Styling Properties
	    a. Font-family
	    b. Font-size
	    c. Font-weight
	    d. Text-decoration
	    e. Text-transform
	    f. Color
	    g. Line-height
	    h. Word-spacing
	    i. Text-shadow
	    j. Text-align
		2

5	1) Box Modal Properties
	    a. Width
	    b. Height
	    c. Padding
	    d. Margin
	    e. Border
	    f. Box-shadow
	    g. Border-radius
	    h. Float
	    i. Outline
	2) Background
	    a. Background-color
	    b. Background-image
		2

	c. Background-repeat d. Background-size e. Background-position f. Background-attachment g. Background (rbga) 3) List (list-style-type, list-style-image 4) Table (border, border-collapse)	

6	1) Position
	2) Z-index
	3) opacity
	4) Pseudo-classes
	    a. Hover
	    b. Focus
	    c. Active
	    d. Visited
	    e. Link
	    f. Disabled
	    g. Enabled
	    h. First-child
	    i. Last-child
	    j. Nth-child (odd,even,2n+1,1)
	5) Designing a simple menu
	6) Designing a menu have sub menu
		2

7	1) Designing a simple home page of a website 2) Designing a Registration page of a website 3) Designing a login page of a website	2

Foundation of 'JSP & Core Java'

L.N.	Content	Hours

8	1) Introduction of Java
	2) History of Java
	3) Introduction of JVM
	4) Environment Setup for Java in Windows OS
	5) Basic Syntax of Java Programming Language
	6) Run First Java Program
	7) Java Tokens
	    a. Keywords
	    b. Identifiers
	    c. Variables
	    d. Data types
	    e. Operators
	8) Introduction of OOPs
	9) Basic Concept of OPPs with its Properties
	10) Java Input/Outputs
		2

9	1) Decision Making Statements
	    a. If Statement
	    b. If...Else Statement
	    c. If...Else...If...Else Statement
	    d. Nested if Else Statement
	    e. Switch Statement
	    f. Ternary Operator (Condition?True:False)
	2) Looping Statement
	    a. While Loop
	    b. For Loop
	    c. Do While Loop
	    d. Break Statement
	    e. Continue Statement
	3) Type Conversion
		2

10	1) Arrays
	    a. Single Dimensional Array
	    b. Double Dimensional Array
	2) For each loop
	3) String
	4) Object
	5) Classes
	6) Constructor
	7) Member Variables
	8) Member Functions
	9) Create Instance/Object of Class
	10) User Class Members
		2

11	1) Modifiers
	    a. Access Modifiers
	        i. Public
	        ii. Private
	        iii. Protected
	    b. Static
	    c. Final
	    d. Abstract
	2) This Keywords
	3) Polymorphism
	    a. Method Overloading
	    b. Method Overriding
		2

12	1) Inheritance
	    a. Type of Inheritance
	        i. Single Inheritance
	        ii. Multilevel Inheritance
	        iii. Hierarchical Inheritance
	        iv. Multiple Inheritance
	        v. Hybrid Inheritance
	    b. Extend keyword
		2

13	1) Decision Making Statements
	    a. If else statement
	    b. Else if statement
	    c. Switch case statement
	2) Looping Statement
	    a. While loop
	    b. Do-while loop
	    c. For loop
	    d. Foreach loop
		2

14	1. Form Handling 2. Form Requesting 3. Form Data Collection 4. Post and Get Method 5. JSP Directives 6. Collecting Data from Text Box 7. Collecting Data from Dropdown List 8. Collecting Data from Check Box 9. Collecting Data from Radio Button	2

15	1) Database Connectivity 2) JDBC 3) JDBC Driver Class 4) SQL Connection 5) SQL Statement 6) Database Insert Operation 7) Database Update Operation 8) Database Delete Operation	2
16	1) File Uploading with validation 2) Database Select Operation 3) Data Edit and Update	2
17	1) User Registration 2) Save user registration data into MySql database 3) Show registered users data 4) Delete registered users 5) Edit registered users	2
18	1) Include Directive 2) User Login 3) Cookies 4) Sessions	2
19-29	Project Development (Complete All Project Modules)	2
30	Project Testing & Submission	2