

# Training Syllabus (PHP)

Lecture wise

## Foundation of 'HTML & CSS'

L.N.	Content	Hours
1	<ol style="list-style-type: none"> <li>1) Introduction of Web pages</li> <li>2) Introduction of Websites</li> <li>3) Introduction of Web Browsers</li> <li>4) Introduction of HTML               <ol style="list-style-type: none"> <li>a. What is Hypertext?</li> <li>b. What is Markup language</li> </ol> </li> <li>5) History of HTML</li> <li>6) How to use HTML to create web pages?</li> <li>7) What is tag?</li> <li>8) What is element?</li> <li>9) HTML tag</li> <li>10) Head tag               <ol style="list-style-type: none"> <li>a. Title tag</li> <li>b. Style tag</li> <li>c. Script tag</li> <li>d. Noscript tag</li> <li>e. Link tag</li> <li>f. Meta tag</li> <li>g. Base tag</li> </ol> </li> <li>11) Body tag</li> <li>12) Attributes</li> </ol>	2
2	<ol style="list-style-type: none"> <li>1) Text Editing tags               <ol style="list-style-type: none"> <li>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</li> </ol> </li> <li>2) Lists               <ol style="list-style-type: none"> <li>a. Ordered List (ol, li)</li> <li>b. Unordered list (ul, li)</li> <li>c. Definition list (dl, dt, dd)</li> </ol> </li> <li>3) Table (table, tr, th, td, thead, tbody, tfoot)</li> <li>4) Marquee (marquee)</li> <li>5) Image (img)</li> <li>6) Hyperlink (a)</li> </ol>	2

3	<p>1) Form</p> <ol style="list-style-type: none"> <li>a. input (type=text, number, date, email, password, url, range, button, submit, reset, radio, checkbox)</li> <li>b. textarea</li> <li>c. label</li> <li>d. fieldset</li> <li>e. legend</li> <li>f. select</li> <li>g. option</li> <li>h. optgroup</li> <li>i. button</li> <li>j. datalist</li> </ol>	2
4	<ol style="list-style-type: none"> <li>1) div</li> <li>2) span</li> <li>3) iframe</li> <li>4) video</li> <li>5) audio</li> <li>6) Introduction of CSS</li> <li>7) Selectors</li> <li>8) Properties &amp; values</li> <li>9) Text Styling Properties <ol style="list-style-type: none"> <li>a. Font-family</li> <li>b. Font-size</li> <li>c. Font-weight</li> <li>d. Text-decoration</li> <li>e. Text-transform</li> <li>f. Color</li> <li>g. Line-height</li> <li>h. Word-spacing</li> <li>i. Text-shadow</li> <li>j. Text-align</li> </ol> </li> </ol>	2
5	<ol style="list-style-type: none"> <li>1) Box Modal Properties <ol style="list-style-type: none"> <li>a. Width</li> <li>b. Height</li> <li>c. Padding</li> <li>d. Margin</li> <li>e. Border</li> <li>f. Box-shadow</li> <li>g. Border-radius</li> <li>h. Float</li> <li>i. Outline</li> </ol> </li> <li>2) Background <ol style="list-style-type: none"> <li>a. Background-color</li> <li>b. Background-image</li> </ol> </li> </ol>	2

	<ul style="list-style-type: none"> <li>c. Background-repeat</li> <li>d. Background-size</li> <li>e. Background-position</li> <li>f. Background-attachment</li> <li>g. Background (rbga)</li> </ul> 3) List (list-style-type, list-style-image) 4) Table (border, border-collapse)	
6	1) Position 2) Z-index 3) opacity 4) Pseudo-classes <ul style="list-style-type: none"> <li>a. Hover</li> <li>b. Focus</li> <li>c. Active</li> <li>d. Visited</li> <li>e. Link</li> <li>f. Disabled</li> <li>g. Enabled</li> <li>h. First-child</li> <li>i. Last-child</li> <li>j. Nth-child (odd,even,2n+1,1)</li> </ul> 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 'PHP'

L.N.	Content	Hours
8	1) Introduction of Scripting language 2) Introduction of Server Side Scripting language 3) Introduction of PHP 4) Overview of PHP 5) Installation of PHP 6) Syntax 7) Echo / Print 8) Data types 9) Variables 10) Constant	2

9	<ul style="list-style-type: none"><li>1) PHP operators<ul style="list-style-type: none"><li>a. Arithmetic Operators</li><li>b. Assignment Operators</li><li>c. Comparison Operators</li><li>d. Logical Operators</li><li>e. Concatenation Operators</li></ul></li><li>2) Decision Making Statements<ul style="list-style-type: none"><li>a. If else statement</li><li>b. Else if statement</li><li>c. Switch case statement</li></ul></li><li>3) Looping Statement<ul style="list-style-type: none"><li>a. While loop</li><li>b. Do-while loop</li><li>c. For loop</li><li>d. Foreach loop</li></ul></li></ul>	2
10	<ul style="list-style-type: none"><li>1) Strings</li><li>2) Function<ul style="list-style-type: none"><li>a. Defining a user define function</li><li>b. Function with arguments</li><li>c. Function with return type</li></ul></li><li>3) Arrays<ul style="list-style-type: none"><li>a. Indexed arrays</li><li>b. Associative arrays</li><li>c. Single Dimensional arrays</li><li>d. Double dimensional arrays</li><li>e. Multi-dimensional arrays</li></ul></li><li>4) Arrays Sorting<ul style="list-style-type: none"><li>a. Sort()</li><li>b. Rsort()</li><li>c. Asort()</li><li>d. Ksort()</li><li>e. Arsort()</li><li>f. Krsort()</li></ul></li></ul>	2

11	<ol style="list-style-type: none"> <li>1) Introduction of all Super global variables <ol style="list-style-type: none"> <li>a. \$Global</li> <li>b. \$_SERVER</li> <li>c. \$_REQUEST</li> <li>d. \$_POST</li> <li>e. \$_GET</li> <li>f. \$_FILES</li> <li>g. \$_SESSION</li> <li>h. \$_COOKIE</li> </ol> </li> <li>2) Form Handling</li> <li>3) Collect form data by \$_GET, \$_POST and \$_REQUEST</li> <li>4) Implode &amp; explode function</li> <li>5) Submit all data of registration form with validation</li> </ol>	2
12	<ol style="list-style-type: none"> <li>1) File Uploading with validation</li> <li>2) Working with MySql</li> <li>3) Connect to MySql with PHP using mysqli()</li> <li>4) Execute insert/update/delete query using mysqli_query()</li> <li>5) Execute select query using mysqli_query()</li> <li>6) Show data in table from database</li> </ol>	2
13	<ol style="list-style-type: none"> <li>1) User Registration</li> <li>2) Save user registration data into MySql database</li> <li>3) Show registered users data</li> <li>4) Delete registered users</li> <li>5) Edit registered users</li> </ol>	2
14	<ol style="list-style-type: none"> <li>1) Include &amp; require functions</li> <li>2) Sending Emails Using PHP Mailer</li> <li>3) \$_SERVER (Web Concept)</li> <li>4) Cookies</li> <li>5) Sessions</li> </ol>	2
15	<ol style="list-style-type: none"> <li>1) Date &amp; Time</li> <li>2) PHP AJAX</li> <li>3) File handling <ol style="list-style-type: none"> <li>a. Opening/Creating a File</li> <li>b. Reading a File</li> <li>c. Writing a File</li> <li>d. Closing a File</li> </ol> </li> </ol>	2

16	1) Server Side Form Validation 2) User Authentication (Login and Logout)	2
17	1) Problem Solving & Recovery Class 2) Test 3) Project Allotment 4) Divide Team & Project Coordinators	2
18-29	Project Development (Complete All Project Modules)	2
30	Project Testing & Submission	2