

**INDIAN INSTITUTE OF COMPUTING AND TECHNOLOGY**

**WEB DESIGNING**

**Max: 30 Hrs**

S. No	Topics	Hours
1.	<p><b>1.0 Understanding HTML</b></p> <ul style="list-style-type: none"> <li>• 1.1 What is Markup Language</li> <li>• 1.2 Basic Structure of HTML                             <ul style="list-style-type: none"> <li>• 1.2.1 Meta Tags</li> <li>• 1.2.2 External Link Tags</li> <li>• 1.2.3 HTML Structure Tags</li> <li>• 1.2.4 Difference between HTML &amp; XHTML</li> <li>• 1.2.5 Introduction to HTML5</li> <li>• 1.2.6 Whats new in HTML5</li> <li>• 1.2.7 HTML5 Semantic Tag</li> <li>• 1.2.8 HTML5 Multimedia</li> </ul> </li> <li>• 1.3 Create Table, Div, and Frame Tag</li> <li>• 1.4 Content and Header Tags</li> <li>• 1.5 Paragraph, Span, Pre Tags</li> <li>• 1.6 Anchor Links and Named Anchors</li> <li>• 1.7 Iframe and Image Tag Implementing iFrame in Realtime</li> <li>• 1.8 Working with Forms                             <ul style="list-style-type: none"> <li>• 1.8.1 Form Tag and Attributes</li> <li>• 1.8.2 POST and GET Method</li> <li>• 1.8.3 Text Input, TextArea, Checkbox and Radio</li> <li>• 1.8.4 Password Field</li> <li>• 1.8.5 Select Option, Option Group</li> <li>• 1.8.6 File Field and Hidden Fields</li> <li>• 1.8.7 Submit, Reset, Image Buttons</li> <li>• 1.8.8 HTML 5 Forms</li> </ul> </li> <li>• 1.9 Canvas &amp; SVGs                             <ul style="list-style-type: none"> <li>• 1.9.1 Converting svgs into font-icons</li> </ul> </li> <li>• 1.10 HTML5 Apis</li> </ul>	10 Hrs.
2.	<p><b>2.0 Cascading Style Sheets (CSS2 &amp; CSS3)</b></p> <ul style="list-style-type: none"> <li>• 2.1 Introduction to CSS2 &amp; CSS3</li> </ul>	5 Hrs.

	<ul style="list-style-type: none"> <li>• 2.2 Types of Style Sheets</li> <li>• 2.3 Media Type</li> <li>• 2.4 Default CSS Properties</li> <li>• 2.5 CSS Selectors                             <ul style="list-style-type: none"> <li>• 2.5.1 Basic CSS Selectors</li> <li>• 2.5.2 Advanced CSS Selectors</li> </ul> </li> <li>• 2.6 CSS properties                             <ul style="list-style-type: none"> <li>• 2.6.1 Background Properties</li> <li>• 2.6.2 Block Properties</li> <li>• 2.6.3 Box Model Properties</li> <li>• 2.6.4 List Properties</li> <li>• 2.6.5 Border Properties</li> <li>• 2.6.6 Positioning Properties</li> <li>• 2.6.7 Flex</li> <li>• 2.6.8 Adding our own fonts to websites</li> </ul> </li> <li>• 2.7 CSS Optimization and Compression Tips</li> <li>• 2.8 New CSS3 Properties                             <ul style="list-style-type: none"> <li>• 2.8.1 CSS Rounded Corners</li> <li>• 2.8.2 Border Image</li> <li>• 2.8.3 Box and Text Shadow</li> <li>• 2.8.4 Multiple Backgrounds</li> <li>• 2.8.5 Background Origin</li> <li>• 2.8.6 Background Resize</li> <li>• 2.8.7 CSS Clip, Gradients, Opacity</li> <li>• 2.8.8 Transitions &amp; Transform</li> </ul> </li> </ul>	
3.	<b>3.0 Introduction to SCSS</b> <ul style="list-style-type: none"> <li>• .1 How to run scss files in local machine</li> </ul>	2 hrs
4.	<b>4.0 Bootstrap</b> <ul style="list-style-type: none"> <li>• 4.1 Bootstrap Setup</li> <li>• 4.2 Benefits of Bootstrap</li> <li>• 4.3 Basics of Bootstrap</li> <li>• 4.4 Project Design Using Bootstrap</li> </ul>	
5.	<b>5.0 Java Script</b> <ul style="list-style-type: none"> <li>• 5.1 Introduction to Client-Side Scripting</li> <li>• 5.2 Introduction to Java Script</li> <li>• 5.3 JavaScript Types</li> <li>• 5.4 Variables in JS</li> <li>• 5.5 Operators in JS</li> </ul>	

	<ul style="list-style-type: none"><li>• 5.6 Conditions Statements</li><li>• 5.7 Java Script Loops</li><li>• 5.8 JS Popup Boxes</li><li>• 5.9 JS Events</li><li>• 5.10 JS Arrays</li><li>• 5.11 JS Objects</li><li>• 5.12 JS Functions</li><li>• 5.13 Using JavaScript in Real time</li><li>• 5.14 Validation of Forms5.</li><li>• 15 Related Examples</li></ul>	
6.	<b>6.0 JQuery and jQuery UI</b> <ul style="list-style-type: none"><li>• 6.1 Introduction to jQuery</li><li>• 6.2 jQuery Features</li><li>• 6.3 Installing jQuery</li><li>• 6.4 jQuery Syntax</li><li>• 6.5 jQuery Ready Function</li><li>• 6.6 jQuery Selectors</li><li>• 6.7 jQuery Actions</li><li>• 6.8 jQuery Custom Functionality</li><li>• 6.9 jQuery Libraries</li><li>• 6.10 jQuery Validation</li><li>• 6.11 jQuery Slideshow</li><li>• 6.12 jQuery Dropdown</li><li>• 6.13 JS Functions</li><li>• 6.14 jQuery UI</li><li>• 6.15 jQuery Accordions</li><li>• 6.16 jQuery Tabs</li><li>• 6.17 jQuery Tooltips</li><li>• 6.18 jQuery Autocomplet</li></ul>	