

**Summer Training**  
**Web Development Using HTML/DHTML**  
**Course Content**

Day	Topics To Be Covered	Detailed Description
Day 1	Introduction to Web Technologies	Introduction, How does a website work, Client and Server scripting and languages, Difference between Web Designer and Web Developer, Types of websites, Web Standards
	HTML	Markup language, Structure of HTML, Head and Elements of Head section, Basic Tags
Day 2	HTML	HTML Elements, HTML Attributes, Formatting Tags, HTML Phrase Tags, HTML Comments, HTML Meta Tags, Anchor Tags, Images, Image Links
Day 3	HTML	Tables, Lists, Email Links, Frames, Iframes, HTML Blocks, DIV and SPAN Tags, HTML Backgrounds, Colors, HTML Forms, Form Elements (Controls, Textbox, Password Box, Checkbox, Text Area, Radio Button, Select Control, File Upload, Button, Hidden Form Controls)
Day 4	HTML5	Embed Multimedia, Audio and Video, Marquee. Overview of HTML5, Syntax, Attributes, Events, Web Forms
Day 5	CSS	Introduction to CSS, Types of Stylesheets, Types of CSS Selectors, Universal Selector, Type Selector, Class Selector, ID Selector, Child Selector, Adjacent Selector
Day 6	CSS Properties	Type Property, Text Properties, Border Properties, Positioning Properties, Using CSS for real time practical work, Designing Text style, Defining the background styles, Designing a menu system, Custom Form Designing
Day 7	CSS 3.0	Introduction, New CSS 3 Properties, CSS Rounded covers, Border Image, Border shadow, CSS Background Properties, Text Shadow Properties, Using CSS3 in practical layout
Day 8	JavaScript	Overview, Syntax, Enabling JavaScript, Placement, Variables, Operators, If-else, switch-case, Loops, Functions
Day 9	JavaScript	Functions, Events (onclick, onsubmit, onmouseover, onmouseout, etc), HTML5 standard events
Day 10	JavaScript	Arrays, Working with Arrays, JS Objects, Using Javascript in real time, validation of form elements (Textbox, Checkbox, Radio button, etc)
Day 11	JavaScript	Using Date in JavaScript, Using Math object in JavaScript, String Handling
Day 12	Dreamweaver	Introduction to Dreamweaver, Interface basics, Creating a site for standard project, Standard toolbar, Link, Table, DIV, Image, Video
Day 13	Project Work	Implementation of the contents covered
Day 14	Photoshop/Bootstrap	Introduction to Photoshop, Working with different tools and interfaces. Introduction to Bootstrap, Designing responsive websites
Day 15	Photoshop/Bootstrap	Practical work

**Prerequisites** Students should have the basic knowledge of websites and web surfing over Internet.

**Software Requirements** Google Chrome or Mozilla Firefox Web Browsers

**Training Outcome** Students can design a dynamic website with better designing techniques and effects at the end of this course.

**Faculty** **Mragank Singhal / Amit Garg**