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 AZIZ TECHNOLOGY A Largest Web Training Center	Course : Web Design	Cell: 01749 469696
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▪ **Course Outline (Syllabus)**

Course Date : 23 th August, 2014	Days : 2-3 days in Week
Course Length : 18 Class (2 Hours)	Class Time : Evening & Day (Afternoon)
Email : azizbd08@gmail.com	Web : www.atechnd.org
Duration : 2 Months	Location : Uttara-10, Dhaka, Bangladesh
Software : Dreamweaver & Notepad+	Office Hour: By Appointment
Course Fee : 12,000/-	Admission : 50% Course Fee

▪ **Class Overview**

In this Course, Students get a rapid hands-on introduction to client side programming with HTML,HTML5,CSS,CSS3, Java Scripts, Ajax and JQuery.

▪ **PREREQUISITES:**

We recommend that students are comfortable using a mouse, opening and saving files, and the general operations of computers as well as a basic knowledge of HTML and CSS.

▪ **COURSE OBJECTIVES/ LEARNING OUTCOMES:**

Upon completion of this course, students will be able to:

- Learn the Basics of Web Design
- Learn the benefits of Client Side Programming
- To avoid deprecated tags and attributes.
- Use all CSS properties and their values.
- CSS Page Layout Techniques
- Learn to organize HTML, CSS Code.
- Learn about vendor-specific prefixes and browser support for various CSS3 Techniques.
- Learn new elements and selectors of HTML5 and CSS3
- Responsive design- how to use media queries to render content appropriately for mobile.
- Project based Learning: gain solid web development experience through a real project.

▪ **CLASS MATERIALS:**

Each Students in our Live Online and our Onsite Classes receives a comprehensive set of materials, including course notes and all the class example. We recommend you have a mobile device, either a Tablet or a smart phone (optional). This class 80% hands-on and 20% Lecture. Each module provides a study guide which detailed learning objectives, reading and tasks.

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▪ **Course Plan(Syllabus)/ Suggested Guidelines**

Class	Course	Details
Day-1	HTML	<ul style="list-style-type: none"> ▪ Webpage <ul style="list-style-type: none"> - How do you access a webpage - How do you create a Webpage - Web browser and its complexity - Page Structure and Simplification ▪ HTML as a Markup Language <ul style="list-style-type: none"> - What is HTML - What does HTML Look Like - HTML Structure - HTML Version ▪ HTML Elements <ul style="list-style-type: none"> - Empty Elements ▪ HTML Tags <ul style="list-style-type: none"> - Open Tag and Close Tag - Don't Forget the End Tag - Use Lowercase Tags - Line Breaks, Horizontal Rule ▪ HTML Editors <ul style="list-style-type: none"> - Adobe Dreamweaver - Note pad+ ▪ HTML Headings <ul style="list-style-type: none"> - Headings Are Important ▪ HTML Paragraphs ▪ HTML Attributes <ul style="list-style-type: none"> - Always Quote Attribute Values - Use Lowercase Attributes ▪ How to View HTML Source ▪ HTML Text Formatting <ul style="list-style-type: none"> - Bold, Italic, Strong, - Small, Emphasis, Underline - Others formatting System ▪ Comments in HTML <ul style="list-style-type: none"> - Hidden comments - Conditional comments - Comments for debugging
Day-2	HTML	<ul style="list-style-type: none"> ▪ HTML Head Elements <ul style="list-style-type: none"> - Title - Base - Meta Data - Style - Script

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		<ul style="list-style-type: none"> - Link - Add Favicon icon on title bar ▪ HTML Image <ul style="list-style-type: none"> - src attributes - alt attributes - Set Height and Width - Create an image map ▪ HTML Link <ul style="list-style-type: none"> - Anchor Tag - target Attribute - id Attribute - email link - Top Section Link ▪ HTML List <ul style="list-style-type: none"> - Unordered List - Ordered List - Description List - Nested List ▪ HTML Blocks <ul style="list-style-type: none"> - Division elements - Span elements
Day-3	HTML	<ul style="list-style-type: none"> ▪ HTML Table <ul style="list-style-type: none"> - Basic Table - With borders - Collapsed borders - Cell Padding - Table Headings - Cell Spacing - With a caption - <colgroup> - Thead, Tfoot ▪ HTML Layout <ul style="list-style-type: none"> - Using <table> elements - Using <div> elements
Day-4	HTML	<ul style="list-style-type: none"> ▪ HTML Iframe <ul style="list-style-type: none"> - Set Height & Width - Remove the border ▪ HTML Colors <ul style="list-style-type: none"> - Color HEX - Color RGB - Color Names - Color Values ▪ HTML Entities & Symbols <ul style="list-style-type: none"> - Non Breaking Space - Combining Diacritical Marks - Character Entities - Mathematical Symbols - Greek Letters - Other Entities

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		<ul style="list-style-type: none"> - What is Character Encoding? - HTML charset Attribute - Differences Between Character Sets - URL Encoding
Day-5	HTML	<ul style="list-style-type: none"> ▪ HTML Vs XHTML ▪ HTML Form <ul style="list-style-type: none"> - Text Fields - Password field - Hidden field - Radio Button - Check Boxes - Drop-down List - Drop-down list with a pre-selected value - Text area - Create a button - File Upload - Submit Button - Fieldset around form-data - optgroup
Day-6	HTML5	<ul style="list-style-type: none"> ▪ HTML5 Introduction <ul style="list-style-type: none"> - What is HTML5 - How Did HTML5 Get Started - Background and Purpose of HTML5 - HTML5 Doctype - Browser Support ▪ HTML5 New Elements <ul style="list-style-type: none"> - Canvas Elements - Media Elements - Semantic Elements - Structure Elements and Tags - Removed elements ▪ Semantic Elements <ul style="list-style-type: none"> - What are Semantic element - New semantic element - Structure of semantic web layout ▪ Section Elements ▪ Article Tag ▪ Outlining and Accessibility ▪ HTML5 form <ul style="list-style-type: none"> - HTML5 New input Type - HTML5 New for element - HTML5 New form Attributes - Modernizer
Day-7	HTML5	<ul style="list-style-type: none"> ▪ HTML5 Canvas – Feature of Graphics <ul style="list-style-type: none"> - What is Canvas - Create a Canvas - HTML5 New form Attributes

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		<ul style="list-style-type: none"> - Canvas With JavaScript - Canvas Coordinates - Canvas Paths - Canvas Text, Text Shadow - Canvas Gradients - Canvas Images-draw line() basic - Simple and Complex Shape - Curves, Rectangular, Circle, areas - Drawing lines, Multiple Sub lines - Fill method and Pitfalls ▪ HTML5 SVG <ul style="list-style-type: none"> - What is SVG - SVG Advantages - Embed SVG - Difference & Comparison between SVG and Canvas - Web GL ▪ HTML5 Audio & Video <ul style="list-style-type: none"> - Video/ Audio-How it work - Video/Audio Formats & Elements - MIME type Video/Audio Formats - Dom Methods and properties - Supported Media Types - Creating & Converting Video files - Scripting Media Elements ▪ HTML5 APIs <ul style="list-style-type: none"> - Geolocation - Drag & Drop - Web Storage- Local and Session - Prefixing Your Keys - Web Database Storage - Indexed Database API - App Cache, Web Workers - Server Sent Events (SSF) - Microdata, Web Notification - Offline web ▪ HTML5 Sockets <ul style="list-style-type: none"> - Introduction Web Sockets - Web Sockets Servers - Web Sockets Clients
Day-8	PSD to HTML	<ul style="list-style-type: none"> ▪ PSD to Slice ▪ PSD to Table based design ▪ PSD to DIV Based Design ▪ Design Method and Techniques
		<ul style="list-style-type: none"> ▪ CSS Basis

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Day-9	CSS	<ul style="list-style-type: none"> - What is CSS - Syntax - Structure - CSS Comments - Grouping, ▪ CSS Selectors <ul style="list-style-type: none"> - Elements Selector - Grouping Selector - Id & Class Selector - Attributes selector ▪ CSS Combinators <ul style="list-style-type: none"> - Descendant Selector - Child Selector - General Sibling Selector ▪ Measurements - Absolute & Relative ▪ Insert CSS <ul style="list-style-type: none"> - Inline CSS - Internal CSS - External CSS - Multiple Style Sheet - Multiple Styles Cascade into one - Cascading Order ▪ CSS Fonts <ul style="list-style-type: none"> - Font-families - Font-family - Font-style - Font-size - Font-variant, - Font-weight ▪ Text Formatting <ul style="list-style-type: none"> - Color - Alignment - Decoration - Transformation - Indentation - Direction, - line-height - Letter-spacing - Word-spacing - Unicode-bidi - Vertical Align - White Space
Day-10	CSS	<ul style="list-style-type: none"> ▪ Background <ul style="list-style-type: none"> - Background color - Background image

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		<ul style="list-style-type: none"> - Background image repeat - Background position - Background-attachment <ul style="list-style-type: none"> ▪ CSS List <ul style="list-style-type: none"> - List-style, - List-style type - List-style image - List-style position - An Image as the list item marker - Cross browser solution
Day-11	CSS	<ul style="list-style-type: none"> ▪ Border <ul style="list-style-type: none"> - Border-style, - Border-width - Border-Color - CSS box Model - Browser Compatibility issue ▪ Outline <ul style="list-style-type: none"> - Outline-style - Border-width - Outline-Color ▪ Margin <ul style="list-style-type: none"> - Margin-top - Margin-bottom - Margin-right - Margin-left ▪ CSS Padding <ul style="list-style-type: none"> - Padding-top - Padding-bottom - Padding-right - Padding-left ▪ CSS Dimension <ul style="list-style-type: none"> - Height - Max-height - Min-height - Width - Max-width - Min-Width ▪ CSS Display <ul style="list-style-type: none"> - Hiding an element - Block and Inline elements ▪ CSS Positioning <ul style="list-style-type: none"> - Static Positioning - Fixed Positioning - Relative Positioning - Absolute Positioning

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		<ul style="list-style-type: none"> - Overlapping Elements - Bottom - Clip - Cursor - Left - Overflow - Position - Right - Top - Z-index - Grid Positioning Module
Day-12	CSS	<ul style="list-style-type: none"> ▪ CSS Floating <ul style="list-style-type: none"> - How elements float - Floating elements next to each other - Turning off float-Using Clear ▪ CSS Align <ul style="list-style-type: none"> - Aligning block elements - center align - left and right align - Cross browser compatibility issues ▪ CSS Pseudo-elements <ul style="list-style-type: none"> - Pseudo-elements Syntax - first-line Pseudo-elements - first-letter Pseudo-elements - Pseudo-elements and CSS Classes - the::before Pseudo-elements - the::after Pseudo-elements ▪ CSS Pseudo-Class <ul style="list-style-type: none"> - Pseudo-Class Syntax - Anchor Pseudo-elements - Pseudo-class and CSS Classes - first-child Pseudo-elements - lang Pseudo-elements ▪ CSS Navigation Bar <ul style="list-style-type: none"> - Navigation Bar-List of links - Vertical Navigation Bar - Horizontal Navigation Bar - Floating Navigation Bar- - lang Pseudo-elements ▪ Create a CSS image Gallery ▪ Image Opacity ▪ Image Sprites ▪ CSS Media Types ▪ CSS Links ▪ CSS Table
Day-13	CSS3	<ul style="list-style-type: none"> ▪ CSS3 Introduction ▪ CSS3 Borders <ul style="list-style-type: none"> - Border radius

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		<ul style="list-style-type: none"> - Box shadow - Border image - Browser support <ul style="list-style-type: none"> ▪ CSS3 Background <ul style="list-style-type: none"> - Background Size Property - Background origin - Multiple background images - Background clip ▪ CSS3 Gradients <ul style="list-style-type: none"> - Linear Gradients - Linear Gradients Left to Right - Linear Gradients Diagonal - Using Angles - Using Multiple color stops - Using Transparency - Repeating a Linear Gradients - Radial Gradients - Radial Gradients- spaced color stops - Set Shape - Use different size keywords - Repeating a Radial Gradients ▪ CSS3 Text <ul style="list-style-type: none"> - Text shadow - Word wrapping - Hanging punctuation - Punctuation trim - Text align last - Text emphasis - Text justify - Text outline - Text overflow - Text wrap - Word break ▪ CSS3 Font <ul style="list-style-type: none"> - Web fonts- The @ font face rule - Different font formats - Browser support font formats - Using the font you want - Font stretch - Unicode range - Using Web fonts: Google, Type kit, etc.
Day14	CSS3	<ul style="list-style-type: none"> ▪ CSS3 2D Transforms <ul style="list-style-type: none"> - Translate - Rotate - Scale - Skew - Matrix - Transform and Transform-orig

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		<ul style="list-style-type: none"> ▪ CSS3 3D Transforms <ul style="list-style-type: none"> - Rotate X method - Rotate Y method - Transform - Transform-origin - Transform- style - perspective - perspective origin - Back face visibility ▪ CSS3 Transitions <ul style="list-style-type: none"> - What are CSS3 Transitions - Transition - Transition delay - Transition duration - Transition Property - Transition timing function - Multiple Changes ▪ CSS3 Animations <ul style="list-style-type: none"> - Key frames rule - Animation name - What are CSS3 Animations - Animation - Animation delay - Animation direction - Animation duration - Animation fill mode - Animation interaction - Animation name - Animation play state - Animation timing function ▪ CSS3 Multiple Columns <ul style="list-style-type: none"> - Column count - Column gap - Column rule - Column fill - Column rule style color width - Columns, Columns span, Columns width ▪ CSS3 User Interface <ul style="list-style-type: none"> - Appearance - Box sizing - Icon - nav-down, nav-up, nav-index, - nav left, nav right - outline offset - resize ▪ Media Queries <ul style="list-style-type: none"> - The advantages of media queries
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		<ul style="list-style-type: none"> - syntax - Media Features - Media queries- Browser support - flexible layout/Flexible Box Model - Responsive design <ul style="list-style-type: none"> ▪ Browser Compatibility <ul style="list-style-type: none"> - Quick Mode - IE Conditional Statement - Common Browser Bugs/Issues - Fixing The box model Bugs
Day 15	Project	<ul style="list-style-type: none"> ▪ Logo Create ▪ Header Create – Positioning the Heading ▪ Banner design ▪ Create Animated Slider ▪ Navigation bar / Top menu/Main Menu ▪ Vertical and Horizontal Navigation ▪ Drop down menu, Fly out Navigation ▪ Left and Right sidebar ▪ Body content organize ▪ Footer ▪ Discuss about SEO
Day 16	Project	<ul style="list-style-type: none"> ▪ How to create a complete table ▪ DIV based website. ▪ Organize file and folder ▪ ftp-upload website on Real server ▪ Validation Site

