

# Web Designing

**3 MONTHS SUMMER TRAINING**



## **Introduction to Web Technologies**

**Careers in Web Technologies and Job Roles**

**How the Website Works?**

**Client and Server Scripting Languages**

**Difference between a Web Designer and Web Developer**

**Types of Websites (Static and Dynamic Websites)**

**Responsive design and layout**

**Photoshop 6 Hrs.**

**Model-1 2 Hrs.**

**Introduction to Adobe Photoshop**

**Color mode & resolution**

**Types of Graphics**

**Export image**

**Animated Image**

**Tools**

**Ruler and scaling**

**Model-2 1 Hrs.**

**Create Logos**

**Photos masking**

- Layer Mask
- Vector Mask
- Create Clipping Mask
- Quick Mask

- Text Mask

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## » **Model-3**      **3 Hrs.**

### » **3D tools**

**Smart Objects**

**Merge Layers**

**Group Layers**

**Matting**

**Define Brush**

**Define Pattern**

**Define Custom shapes**

**Layer Styles**

**Blending Options**

**Advanced Blending**

**View Menu / Window Menu**

**Filter Effects**

### » **Image Adjustments**

**Realtime Website Layout Design**

## **HTML 4.0**      **8 Hrs.**

### **Model-1**      **2 Hrs.**

### » **What is Markup Language**

**Basic Structure of HTML**

**Document Overview**

- The Structure Tags
  - Getting Started With HTML
  - Writing the Code
  - Head Section
  - Meta Tags
  - External Link Tags
  - HTML Tags
  - HEAD Tags
- » • Title Tags
- » • Body Tags
- Displaying a web page in a web Browser

### **HTML Elements**

- Block level elements
- Inline elements
- Empty elements

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### **Working with Forms**

- Creating a Form
  - Form Tag
  - POST and GET Method
- » • Text Input, Text Area, Checkbox, Image Input and Radio
- Select Option
  - Option Group
  - File Upload and Hidden Fields
  - Submit Button, Reset Button
  - Relation between HTML Form and PHP

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### **Adding Special Characters**

**Block Oriented Elements**

- Defining Paragraphs and new Lines
- Inserting Spaces
- Perforating the Text

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- »
  - Changing Background Color

## **Model-2            2 Hrs.**

### **List**

- »
  - Ordered List
  - Unordered List
  - Definition List

### » **Attributes of List**

- Using Type attribute with Unordered list
- Using Stat attribute with Ordered List
- »
  - Some other elements
  - Visual Markup

### **Uniform Resource Locators**

- Types of URLs
- Absolute URLs
- Relative URLs
- Document-Relative URLs
- »
  - Server-relative URLs

### **Hypertext Links**

- Why links fail?

### **Images**

- Adding Images
- Adding Border to an image

## **Model-3            3 Hrs.**

### **Tables**

- How to create table
- Adding Border to a Table
- Apply Formatting Features to Table
- Merge row and columns

### **Introduction to style Sheets**

- »
  - How style sheets work
  - Style Sheet Structure

### **Changing the Background**

- Changing the color of the text
- Changing the front
- Changing the Indent of the text
- »
  - Changing the Line Spacing
  - Hide a Style Sheet

## **Model-4            1 Hrs.**

### **Creating Style Classes**

- Div
- Span
- Frame
- Layer
- Meta
- HTML Frames

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- Frame
- iframe

## **HTML5**                    **12 Hrs.**

### **Model-1**                    **1 Hrs.**

- Introduction to HTML5
- Introduction to HTML5
- What's new in HTML5

#### **HTML5 Syntax**

- The DOCTYPE
- The <script> tag
- The <link> tag
- HTML5 Document

»

## **Model-2**                    **2 Hrs.**

### **New input Elements**

- Color
- Date
- Datetime
- datetime-local
- email
- month
- number
- range
- search
- tel
- time
- url
- week

»

»

#### **New Input attributes**

- autofocus
- formaction
- formmethod
- formnovalidate
- height and width
- list
- min and max
- multiple
- pattern (regexp)
- placeholder
- required
- step

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## **Model-3**                    **1 Hrs.**

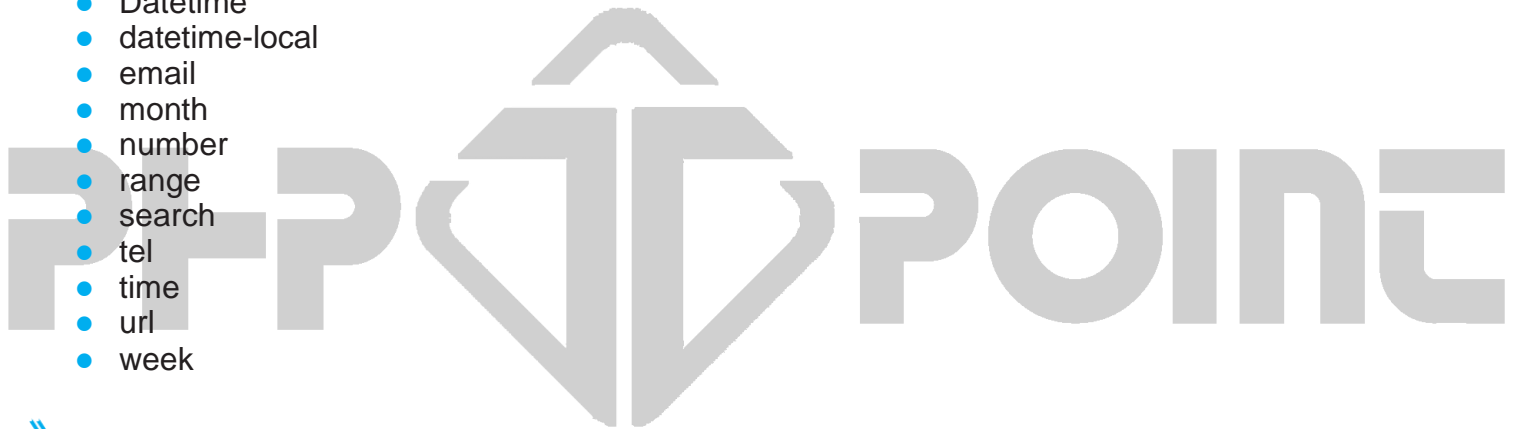
### **Audio and Video**

- <audio>
- <video>
- <source>

#### **New Structural Elements**

- <details>
- <dialog>

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- <summary>
- <meter>
- <main>
- <header>&<footer>
- <section>
- <aside>
- » ● <figure>

### **Model-4**      **4 Hrs.** **SVG**

- What is SVG?
- SVG Advantages
- SVG in HTML
- SVG Shapes
- SVG Text
- SVG Stroke properties
- » ● SVG Animation

### **Model-5**      **4 Hrs.** **Canvas**

- What is canvas?
- Lines
- Curves
- Paths
- Shapes
- Color, gradients
- Image
- Arc
- Text
- Shadow

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#### **HTML5 APIs**

- Google Map
- Drag & Drop

### » **CSS**      **8 Hrs.**

#### **Model-1**      **1 Hrs.**

- CSS Introduction
- CSS Syntax
- CSS Id & Class
- Types of CSS links

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#### **Colors and Backgrounds**

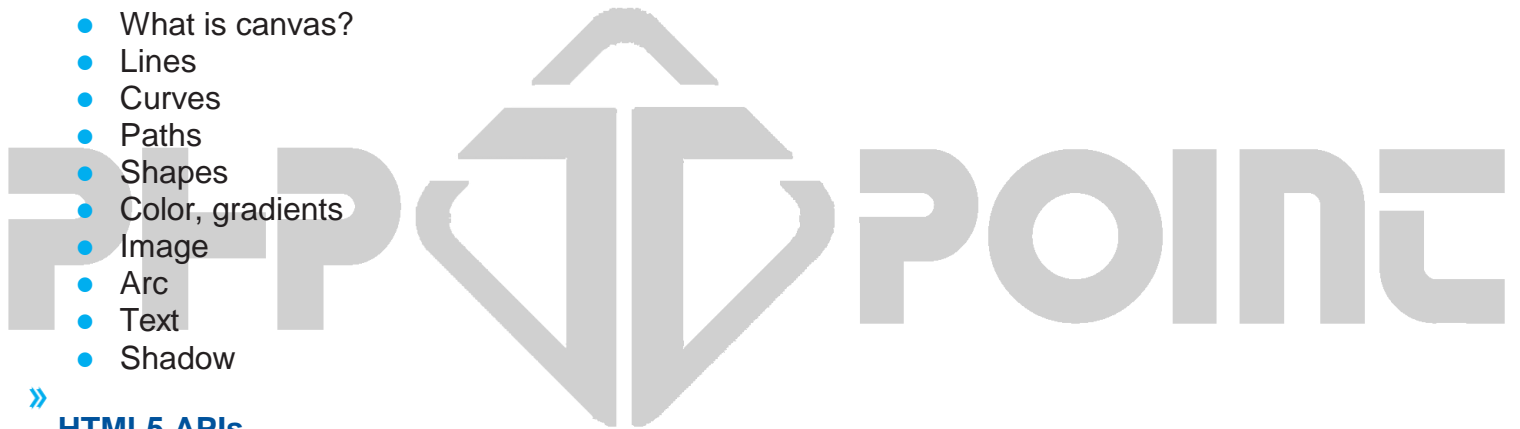
- color
- background-color
- background-image
- background-repeat
- background-position
- background-attachment
- background

#### **Model-2**      **1 Hrs.**

#### **Text and Fonts**

- font

»



- font-family
- font-size
- font-weight
- font-style
- » ● line-height
- letter-spacing
- word-spacing
- text-align
- text-decoration
- text-transform
- white-space

### **Model-3     1 Hrs.**

#### **Lists**

- list-style
- list-style-type
- list-style-image
- list-style-position

#### **Tables**

- » ● table-layout
- » ● border-collapse
- » ● border-spacing

### **Model-4     1 Hrs.**

#### **CSS Selectors**

- » ● Universal Selector
- Type Selector
- Class Selector
- ID Selector
- » ● Child Selector
- Descendant Selector
- Attribute Selector
- Adjacent Sibling Selector
- General Sibling Selector
- Query Selector

### » **Model-5     1 Hrs.**

#### » **CSS Box Model**

- CSS Border
- CSS Outline
- CSS Margin
- CSS Padding

### » **Model-6     3 Hrs.**

#### » **CSS Advanced**

- CSS Grouping/Nesting
- CSS Dimension
- CSS Display
- CSS Positioning
- CSS Floating
- CSS Align
- CSS Pseudo-class
- CSS Pseudo-element
- » ● CSS Navigation Bar



- CSS Image Gallery
  - CSS Image Opacity
  - CSS Attribute Selectors
- » • Styling Links

## **CSS 3.0** **8 Hrs.**

### **Model-1** **1 Hrs.**

#### **Introduction to CSS3.0**

#### **What's new in CSS 3.0**

##### **Border**

- border-image
- » • border-radius

##### **CSS Shadows**

- Text-shadow
- » • Box-shadow

##### **Background**

- background-clip
- » • background-size
- background-origin
  - background-image

### **Model-2** **1 Hrs.**

#### **Outline**

#### **Transitions**

- transition
- transition-delay
- transition-duration
- transition-property

» **Transform**

#### **2D Transforms**

- transform
  - matrix()
  - translate(x,y)
- » • scale(x,y)
- rotate(angle)
  - skew(x-angle,y-angle)

### **Model-3** **1 Hrs.**

#### **3D Transforms**

- transform
- transform-style
- perspective
- transform-origin

### **Model-4** **1 Hrs.**

» **Animations**

- @keyframes
- animation
- animation-direction
- animation-duration
- animation-name



## » Model-5 1 Hrs.

### Selectors

- CSS combinations
- Pseudo Elements

### Gradients

- Linear Gradients
- Radial Gradients

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### Multiple Columns

- column-count
- column-fill
- column-gap
- column-width
- columns
- column-rule
- column-rule-color
- column-rule-style
- column-rule-width

## Model-6 1 Hrs.

### User Interface

- » • resize
- box-sizing
- outline-offset

### CSS Filters

- Blur
- Brightness
- Contrast
- Grayscale
- Hue-rotate
- Invert
- Opacity
- » • Saturate
- Sepia
  
- Drop-shadow

## Model-7 1 Hrs.

### » Media Query

- What is Responsive Web Design
- Intro to the Viewport
- The Viewport Tag
- Media Queries
- Fluid Layouts
- Tablet Styles
- Mobile Styles
- Making a Mobile Drop-down Menu
- Responsive Images & Polyfills

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## Model-8 1 Hrs.

### Web Fonts

- @font-face
- font-family
- src



- font-stretch
- font-style
- font-weight

### Flexbox

- flex-grow
- flex-shrink
- flex-basis
- flex
- flex-wrap
- flex-direction
- flex-flow
- justify-content
- align-items
- order

## Dreamweaver cc **5 Hrs.**

### Model-1 **1 Hrs.**

#### Interface

- choosing a workspace
- document window & toolbars
- the document window
- the launcher
- the insert panel & tool sets
- the document toolbar
- the property inspector
- dockable floating panels
- using contextual menus

### Model-2 **2 Hrs.**

#### Site Control

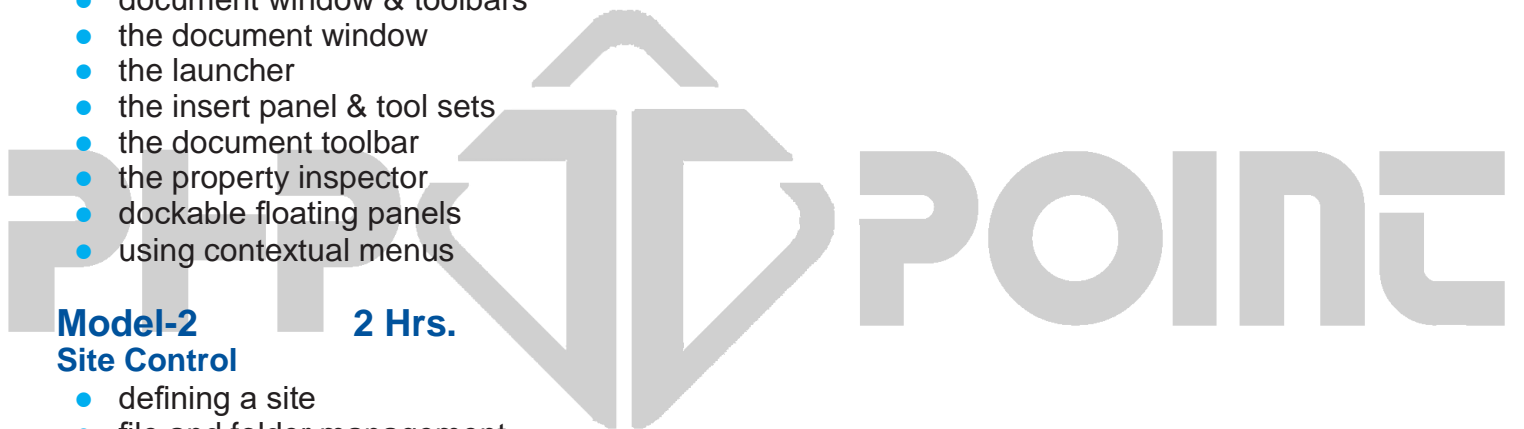
- defining a site
- file and folder management
- creating site maps
- using the file browser

#### Basics

- defining the site
- creating and saving documents
- inserting images with assets panel
- adding text
- aligning page elements
- modifying page properties
- creating links with text and images
- preview in browser

#### Linking

- link with point to file
- linking to new source files
- browse for file and link history
- anchor links
- email links
- file links
- image maps



» **Model-3**      **1 Hrs.**

**Typography**

- About Typography
- Web Typography

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**Tables**

- insert and modify a table
- fixed width tables
- relative width tables
- hybrid table
- insert tabular data
- sort table data

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**Rollovers**

- simple rollovers - insert rollover
- simple rollover - swap image behavior
- multiple-event rollovers
- flash buttons

» **Model-4**      **1 Hrs.**

**Cascading Style Sheets**

- redefining HTML tags
- defining a custom class
- CSS selectors
- CSS selectors to group tags
- linking to external CSS
- CSS reference panel

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**Forms**

- form objects
- creating a form
- creating a jump menu

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**Behaviors**

- set text of status bar
- open browser window behavior

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**Inserting Media Objects**

- linking to sounds
- embedding sounds
- inserting flash
- content inserting director content

**JAVASCRIPT**      **24 Hrs.**

» **Model-1**      **2 Hrs.**

**Introduction to JavaScript**

- Syntax
- Statements
- Comments

» **Model-2**      **1 Hrs.**

» **Enabling in various browsers**

**Popup Boxes**

- Alert
- Confirm
- Prompt

»

»

### **Model-3 Variables**

**2 Hrs.**

#### **Operators**

- Arithmetic
- » • Assignment
- Comparison
- Logical
- Conditional

### **Model-4**

**6 Hrs.**

#### » **Conditional Statements**

- if
- if...else
- if...else if...else
- Switch

#### **Loops**

- while
- do...while
- » • for
- for...in Statement
- Break
- Continue

### **Model-5**

**3 Hrs.**

#### **Functions**

- User-defined Functions
  - Function Syntax
  - » • Function with Arguments
  - Returning Values from Functions
- Built-in Functions
- parseInt and parseFloat

### **Model-6**

**2 Hrs.**

#### **Events**

- Introduction
- » • Mouse Events
- » • Keyboard Events
- » • Form Events
- Document/Window Events

### **Model-7**

**2 Hrs.**

#### **Cookies**

#### **Page redirection**

#### **Built-in Objects**

- Introduction
- Number
- Strings
- Math
- Arrays
- Associative Array
- » • Array Properties and Methods
- Date

- Boolean
- Regexp

## **Model-8**                    **2 Hrs.**

### » **Advanced javascript**

- Form Validations
- Basics of Form Validation
- Validating Radio Buttons
- Validating Checkboxes
- Validating Select Menus
- Validating Textareas

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## **Model-9**                    **2 Hrs.**

### **JS Document Object Model (DOM)**

- Introduction
- DOM HTML
- DOM CSS
- DOM Events

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## **Model-10**                    **2 Hrs.**

### **JS Browser Object Model (BOM)**

- » • JS Cookies
- » • JS Window
- » • JS Location
- » • JS Popups
- » • JS Time

### **Introduction to OOP concept**

## » **Jquery**                    **8 Hrs.**

### **Model-1**                    **1 Hrs.**

#### **What is JQuery?**

#### **Overview of JQuery features**

#### **Using JQuery links**

#### **JQuery Selectors**

#### **JQuery Events**

## » **Model-2**                    **1 Hrs.**

### **JQuery Effects**

- Hide() & show()
- Fade()
- Slide()
- Animate()
- Callback function
- Chaining

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### **JQuery HTML**

- Get() & Set()
- Add() & Remove()
- CSS()
- Dimensions()

»

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## **Model-3**                    **1 Hrs.**

### **JQuery Traversing**

- Parent() & children()
- Next() & Prev()

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- Find()

**Jquery AJAX            5 Hrs.**  
Image slider using JQuery plugins  
Form Validation

**Bootstrap Framework        5 Hrs.**  
**Model-1                        2 Hrs.**

Getting started with Bootstrap  
Grid system in Bootstrap  
Adding Header & Navigation  
Adding Logo in Navigation Bar & Adding Banner  
Adding Jumbotron

**Model-2                        3 Hrs.**

Adding Rows, Columns & Containers  
Adding Column Width using offset  
Ordering Columns using push or pull  
Nesting Columns in Bootstrap  
Adding Footer top Website  
Typography in Bootstrap  
Adding glyphsicons  
Styling Tables  
Adding Responsive or Utilities in Bootstrap  
Styling Button using between classes  
Styling Images and making images Responsive  
Adding description list in bootstrap  
Adding Panels

**Live Website Design Project (100% Realtime Project)            6 Hrs.**

Designing a Professional Photoshop Template  
Conversion of PSD to HTML  
Slideshow Integration  
Implementing Gallery Script  
Adding the Contact Form  
Form validations using JS



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