

## Web Designing/Web Development Syllabus

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### Web Designing

- **HTML (Hypertext Markup Language)**

#### Introduction

- What is World Wide Web (WWW)?
- What is Web browser?
- What is Protocol?
- What is HTTP?
- What is Client-side scripting and types of Client side scripting?
- What is Server-side scripting and types of Server side scripting?
- Differences between Client-side and Server-side Scripting
- Introduction of internet
- Exploring web design
- Understanding web terminologies
- What is HTML?
- History of HTML
- Why HTML
- Why HTML Called Markup Language?
- What is Webpage?
- What is website?

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### HTML Tag

- HTML - Tags Type
- HTML – Body Structure
- HTML – Head
- HTML – Title
- HTML – Body
- HTML – Save File
- HTML – Heading Types
- HTML - Font
- HTML - Text Links
- HTML - Comments
- HTML - Lists
- HTML - Images
- HTML - Image Links
- HTML - Tables
- HTML - Elements
- HTML - Attributes
- HTML - Bgcolor
- HTML – Background

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### Formatting Tags

- HTML – Bold
- HTML - Underline
- HTML – Paragraphs
- HTML - Headings
- HTML - Line Breaks
- HTML - Horizontal Rule
- HTML - Email
- HTML - Italic
- HTML – Code
- HTML - Per
- HTML - Superscript
- HTML - Subscript
- HTML – Strikethrough

### Web Forms Tag

- HTML - Forms
- HTML - Input
- HTML - Text Fields
- HTML - Password

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- HTML - Reset
- HTML – Submit
- HTML – Checkboxes
- HTML – Radio
- HTML - Select
- HTML - Hidden Fields
- HTML - Upload
- HTML – Textareas

### Special Tags

- HTML - Music Codes
- HTML - Video Codes
- HTML - Doctype
- HTML - Meta
- HTML – Style
- HTML - Div
- HTML – Layouts
- HTML - Frames
- HTML - Entities
- HTML - Scripts

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### • HTML5/CSS3

- HTML5 Features
- HTML5 new elements introduction
- HTML5 Canvas, Svg
- HTML5 Storage: local storage, Session storage
- CSS3 Introduction
- CSS3 BordersCSS3
- BackgroundsCSS3
- GradientsCSS3
- ShadowsCSS3
- TextCSS3
- FontsCSS3 2D
- TransformsCSS3 3D
- TransformsCSS3
- TransitionsCSS3
- AnimationsCSS3
- Multiple ColumnsCSS3
- User InterfaceCSS3
- Box Sizing
- Responsive web designing for mobile and other devices
- Media Query

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### • PHOTOSHOP

#### Introduction and Overview of Photoshop

- About Photoshop
- Pixels and Vector Images
- User interface
- Creating new workspace.
- Opening existing workspace
- Closing workspace
- Exploring Toolbox

#### Working with Selection

- Moving a selected area
- Using Rectangular marquee tool, Elliptical marquee tool
- Selecting with the lasso tools
- Using the quick selection tool
- Using the magic wand tool

#### Resizing & cropping Images

- Understanding Pixels & Resolution
- Adjusting Images size
- Cropping an Image
- Adjusting Canvas Size and Canvas Rotation
- Working with Rulers, Guides

#### Photo Retouching

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- Spot healing brush tool
- Patch and Healing brush tool
- The Red eye tool
- color Replacement tool
- The Clone stamp & Pattern stamp tools
- The history brush tool & art history brush tool
- Using Blur, Sharpen, Smudge tool
- Using Dodge, Burn, Sponge tool

### **Painting In Photoshop**

- Using the Brush tool
- Working with color and Swatches
- Using Gradients
- Working with Brushes
- Using the Pencil & Eraser tools

### **Vector Image Creation in Photoshop**

- Using the Pen tool
- Pen tool modifier Keys
- Path Selection
- Modifying paths
- Creating Vector Shapes
- Creating Custom Shapes

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### Working with Text

- Text Layers
- Creating & Modifying Text
- Styling texts
- Character & Paragraph Adjustment
- Creating path outlines from text
- Wrapping text

### Working with Layers

- Understanding the Background Layer
- Creating, Selecting, Deleting Layers
- Locking & Merging Layers
- Copying layers, Duplicate Layers & Layers style
- Filling & Grouping Layers
- Blending Modes, Opacity & Fill

### Working Adjustment Layers

- Levels, Auto Levels, Auto Contrast
- Change the java script
- The brightness or contrast of Image etc...

### Creating Special Effect

- Working with Photoshop Filter
- Smart Filter
- Creating Text effect



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- Creating Effect on Image

### Importing & Exporting Images

- Saving with Different File Format
- Saving for Web & Devices
- Printing option

### • DREAMWEAVER

- The Dreamweaver Interface
- Setting Up a Site in Dreamweaver
- Creating Links
- Inserting Text
- Inserting Images
- Cascading Style Sheets
- Using CSS to Style Your Page
- Formatting Text with CSS
- Embedding Style Sheets
- Attaching External Style Sheets
- Inserting Images
- Page Layout with CSS
- Tables and Multimedia
- Inserting and Styling Tables
- Importing Table Data
- Styling Tables with CSS

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- Creating Forms
- Making Your Forms
- Scripts
- Find and Replace
- Working With the Spry Framework
- Spry Tabbed and Accordion Panels
- Running Site Reports

### Web Development

- **Overview of HTML**

- Introduction to HTML(Detailed topics covered under Web Designing)

- **Overview of CSS**

- Introduction to CSS(Detailed topics covered under Web Designing)

- **HTML5/CSS3**

- **JAVA SCRIPT**

#### **Introduction**

- JavaScript Overview
- JavaScript Syntax
- Type of JavaScript
- Embedding Script In HTML File
- Variable

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### Operators

- Arithmetic
- Logical
- Comparison
- Assignment
- Conditional

### Conditional Statement & Looping Statement

- If
- If. Else
- Switch
- While
- Do/while
- For

### Function & Object

- Passing Parameter to function
- Returning a value from function
- Creating Object
- Accessing Object Properties & Method
- Array Object
- String Object
- Date Object
- Math Object

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- Window Object
- Navigator Object

### Event Handling Event Type:

- Mouse Events
- Frame/Object Events
- Form Events

### • JQuery

#### Introduction

- jQuery HOME
- jQuery Intro
- jQuery Install
- jQuery Syntax
- jQuery Selectors
- jQuery Events

#### JQuery Effects

- jQuery Hide/Show
- jQuery Fade
- jQuery Slide
- jQuery Animate
- jQuery stop()
- jQuery Callback

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- jQuery Chaining

### JQuery HTML

- jQuery Get
- jQuery Set
- jQuery Add
- jQuery Remove
- jQuery CSS Classes
- jQuery css()
- jQuery Dimensions

### • AJAX

#### Introduction

- AJAX Introduction
- AJAX How to Work?
- AJAX Advantages
- AJAX Disadvantages

#### AJAX Examples

- AJAX XML Http
- AJAX Request
- AJAX Response
- AJAX Events
- AJAX PHP

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- AJAX ASP
- AJAX Database
- AJAX XML File
- **Bootstrap Carousel**
- **Modal**
- **ScrollSpy**
- **Jumbotron**
- **Customizing the webpage using CSS/Plugins.**
- **Website Hosting/Cpanel/FTP/SEO**