

Web Designing Course Syllabus

Introduction to Web Technologies

- 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)
- Web Standards and W3C recommendations

Adobe Photoshop

- Introduction of Stock Photography
- Types of Image Graphics
- Vector Graphics and Tools
- Scalar Graphics and Tools
- Introduction to Adobe Photoshop
- Interface Tour of Photoshop and Palletes
- Color Modes and Resolution Options
- File Types in Photoshop
- Using Photoshop Tools with Realtime Examples
 - Move Tool
 - Marque Tools
 - Lasso Tools
 - Quick Selection / Magic Wand
 - Crop / Slicing Tool
 - Image Manipulation Tools
 - Brushes
 - Patterns
 - Gradients
 - Pen Tool / Shape Tool
 - Text Tool
- Working with Layers, Grouping and Smart Objects
- Image Adjustments
- Layer Masking, Layer Clipping
- Using Blending Options to create unique effects
- Analysis Menu

- View Menu / Window Menu
- Filter Effects
- Photoshop Actions
- Automation Tools
- Animation using Photoshop
- Brochure Designing
- Generating PDF Output
- Designing a Logo
- Creating a Business Card
- Design Banners for Website
- Realtime Website Layout Design
- Whats new in PS CS 6.0

Hyper Text Markup Language (HTML 4.01)

- What is Markup Language
- Basic Structure of HTML
- Head Section and Elements of Head Section
- Meta Tags
- External Link Tags
- **HTML Structure Tags**
 - Table Tag
 - Div Tag
 - Frames
- **Content / Media Tags**
 - Header Tags
 - Paragraph, Span, Pre Tags
 - Anchor Links and Named Anchors
 - Image Tags / Image Hot Spots
 - Object Tag
 - Iframe Tags
- **Working with Forms**
 - 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
- Creating a Live Website Form

XHTML 1.1

- What is XHTML
- Difference between HTML & XHTML
- XHTML Basics
- Introduction to Doc Types (Strict, Transitional and Mobile)
- XHTML Validation

HTML5

- Introduction to HTML5
- Whats new in HTML5
- HTML5 DocType
- **New Structure Tags**

- SECTION
- NAV
- ARTICLE
- ASIDE
- HEADER
- FOOTER

- **New Form Tags**

- search
- tel
- url
- email
- number and range

- **New Media Tags**

- Audio Tag
- Video Tag

- **Designing a Layout using HTML5**

Cascading Style Sheets (2.0)

- Introduction to Cascading Style Sheets
- Types of Style Sheets (Inline, Internal and External)
- CSS for Website Layout and Print Layout

- **Types of CSS Selectors**

- Universal Selector
- Type Selector
- Class Selector
- ID Selector
- Child Selector
- Descendant Selector
- Adjacent Sibling Selector
- Attribute Selector
- Query Selector
- Nesting of Selectors

- **CSS properties**

- Type Properties
- Background Properties
- Block Properties
- Box Model Properties
- List Properties
- Border Properties
- Positioning Properties
- Properties useful in Realtime Designing

- **Using CSS for Realtime Practical Works**

- Defining the Text Styles
- Defining the Background Styles
- Designing a Menu System (Horizontal, Vertical and Drop Down)
- Custom Form Designing
- DIV + CSS Layout Design
- PSD to CSS Conversion

- CSS Optimization Tips

Cascading Style Sheets (CSS 3.0)

- Introduction to CSS 3
- New CSS3 Properties
- CSS Rounded Corners
- Border Images
- Border Shadows
- CSS Gradients
- CSS Background properties
- Text-Shadow Property

- Text-Stroke Property
- Using CSS3 in Practical Layout

Adobe Dreamweaver

- Introduction to Adobe Dreamweaver
- Dreamweaver Interface Basics
- Type of Views
- **Defining a Dreamweaver site**
 - Benefits of Using Site
 - Creating a Site for Static Project
 - Creating a Site for PHP Project
- **Standard Tool Bar**
- Setting the Dreamweaver for Multiple Browser Output
- Device Central and Mobile Sites
- **Common Tool Bar**
 - Anchor Links / Email Links / Named Anchors
 - Insert Table
 - Insert Divs
 - Inserting Images / Image Hot Spots
 - Inserting Flash / Video
 - Meta Tags
 - Script Tags
- **Layout Tool Bar**
 - Inserting Divs
 - Inserting Tables
 - Working with Frames
 - Working with IFrames
- **Text Tags**
 - Headings Tag
 - Content Tags
 - Formating Tags
- **Spry Elements**
 - Spry Menu Bar
 - Tabbed Panels
 - Accordions
 - Collapsible Divs
- **Forms in Dreamweaver**

- Form Tag
- Fieldset and Label Tag
- Input Tags (Hidden, Text, Checkbox, Radio, Image)
- Select Tag / List Tag / Opt Group
- Buttons (Submit and Reset)
- File Type / Encoding Type
- Sending Mail using PHP
- **Dreamweaver Advanced Concepts**
 - Spry Form Validations
 - Snippets Creation
 - FTP Client in DW
 - Dreamweaver Extensions
- Template Design in Dreamweaver
- Importing a website design
- Setting the Editable and Non-Editable Regions
- Defining the DWT for project.
- Detaching the Template / Modifying the Template
- Validating the XHTML & CSS
- Common Compatibility Issues

Java Script

- Introduction to Client Side Scripting
- Introduction to Java Script
- Javascript Types
- Variables in JS
- Operators in JS
- Conditions Statements (If, If Else, Switch)
- Java Script Loops (For Loop, While Loop, Do While Loop)
- JS Popup Boxes (Alert, Prompt, Confirm)
- **JS Events**
 - Onload, Onunload, Onsubmit, OnFocus, Onchange Event, Onblur Event, Onmouseover, Onclick, Ondblclick Events
- JS Arrays
- Working with Arrays
- JS Objects
- JS Functions
- **Using Java Script in Realtime**

- Validation of Forms
- DropDown Menus
- Slide Show Effects in Js
- Date / Calendar Integration
- Useful Scripts for Projects

- **AJAX CONCEPTS**

Adobe Flash

- Introduction to Animation
- Introduction to Adobe Flash
- Tools in Adobe Flash
- Shape Tween and Motion Tween
- Frame Animation
- Various Flash Effects
- Creating Flash Banners
- Creating Flash Intro's
- Creating Flash Website
- Basics of Action Scripting.

Web Hosting

- Web Hosting Basics
- Types of Hosting Packages
- Registering domains
- Defining Name Servers
- Using Control Panel
- Creating Emails in Cpanel
- Using FTP Client
- Maintaining a Website

SEO Concepts

- Basics of SEO
- Importance of SEO
- Onpage Optimization Basics
 - Ajax Libraries
 - Basics of JQuery
 - JQuery Scripts
 - Useful Ajax scripts in live projects

Live Website Design Project (100% Realtime Project)

- Designing a Professional Photoshop Template
- Conversion of PSD to CSS
- Adding Menu System to Project
- Slideshow Integration
- Implementing Gallery Script
- Adding the Contact Form
- Form validations using JS
- Writing the Mail Function in form with PHP
- Manual Website Testing