

LearnI!

WEB DESIGN SYLLABUS

WEEK-1:

Introduction to Web Technologies

- Introduction to Web Technologies
- Careers in Web Technologies and Job Roles
- How the Website Works?
- Client and Server Scripting Languages
- Domains and Hosting o Responsive Web Designing
- Types of Websites (Static and Dynamic Websites)
- Web Standards and W3C recommendations

WEEK-2:

Adobe Photoshop

- Introduction of Stock Photography
- Types of Image Graphics
- Introduction to Adobe Photoshop
- Interface Tour of Photoshop
- Colour Modes
- Resolution and Pre-sets
- Move Tool o Marque Tool
- Lasso Tool
- Quick Selection, Magic Wand
- Crop, Slicing Tool
- Healing Brush, Patch Tool
- Brush Tool
- History Brush
- Eraser Tool
- Pattern Stamp, Clone Stamp
- Gradient Tool
- Blur and Exposure Tool
- Pen Tool, Shape Tool
- Text Tool
- Other Photoshop Tools
- Layers, Groups and Smart Object
- Blending Options o Filter Effects

- Client requirement analysis
- Realtime Website Layout Design
- Practical Task in Layout Design

WEEK-3:

HTML 4.01 and XHTML 1.1

- What is Mark-up Language
- Basic Structure of HTML
- Difference Between HTML and XHTML
- Head Section and Elements of Head Section
- Meta Tags
- CSS Tags
- Script Tag
- Table Tag
- Div Tag
- Header Tags
- Paragraph, Span, Pre-Tags
- Anchor Links and Named Anchors
- Image Tag
- Object Tag
- Iframe Tag

Forms

- Form Tag
- Attributes of Form
- POST and GET Method
- Field set and Legend
- Text input, Text area
- Checkbox and Radio Button
- Dropdown, List and opt group
- File Upload and Hidden Fields
- Submit, Image, Normal, Reset Button
- Creating a Live Website Form
- HTML Validators

WEEK-4:

Adobe Dreamweaver

- Introduction to Adobe Dreamweaver
- Dreamweaver Interface Basics

- Defining a Dreamweaver site
- Insert Toolbar o Common Tools
- Layout Tools o Forms Tool
- Spry Tools
- Properties Panel
- Using Snippets panel
- Dreamweaver extensions
- Template Design in DW
- Editable and Non-Editable Regions
- Defining the DWT for project.
- Creating subpages for project

WEEK-5:

CSS 2.1

- Introduction to Cascading Style Sheets
- Types of CSS
- CSS Selectors
- Universal Selector
- ID Selector
- Tag Selector
- Class Selector
- Sub Selector
- Child Combinatory Selector
- Adjacent Sibling Selector
- Attribute Selector
- Group selector
- First-line and First-letter selector
- Before and After Selector

CSS Properties

- Type Properties
- Background Properties
- Block Properties
- Box Properties
- List Properties
- Border Properties
- Positioning Properties

Realtime Implementation

- Conversion of Table to CSS Layout
- CSS Menu Design (Horizontal, Vertical)
- Form Designing

WEEK-6:

HTML 5

- Introduction to HTML5
- Features of HTML5
- HTML5 Doctype
- New Structure Tags
- Section
- Nav
- Article
- Aside
- Header
- Footer
- Designing a HTML Structure of Page
- New Media Tags
- Audio Tag
- Video Tag
- Canvas and Svg Tag
- Introduction to HTML5 Forms
- New Attributes
- Placeholder Attribute
- Require Attribute
- Pattern Attribute
- Autofocus Attribute
- email, tel, URL types
- number type
- date type
- range type
- voice search
- Examples of Form

WEEK-7:

CSS 3

- Introduction to CSS 3
- New CSS 3 Selectors
- Attribute Selectors
- First-of-type
- Last-of-type
- Nth-child o Element: empty
- New CSS3 Properties
- Custom Fonts
- Text-Shadow Property
- Text-Stroke Property
- Rounded Corners
- Box Shadows
- CSS Gradients
- CSS Multiple backgrounds
- Opacity Property
- Transition effect
- Transform effect
- Animation effects
- CSS Media Queries
- Using CSS3 in Practical Layout

WEEK-8:

Responsive Web Design with Bootstrap

- Introduction to Responsive Design
- Mobile first design concepts
- Common device dimensions
- View-port tag
- Using CSS media queries
- Menu conversion script
- Basic Custom Layout
- Introduction to Bootstrap
- Installation of Bootstrap
- Grid System
- Forms
- Buttons

- Icons Integration
- Using CSS3 in Practical Layout

WEEK-9:

Java Script

- Introduction to Client-Side Scripting
- Introduction to Java Script
- JavaScript Types
- Variables in JS
- Operators in JS
- Conditions Statements
- Java Script Loops
- JS Popup Boxes
- JS Events
- JS Arrays
- Working with Arrays
- JS Objects
- JS Functions
- Using Java Script in Realtime
- Validation of Forms
- Related Examples

WEEK-10:

jQuery and jQuery UI

- Introduction to jQuery
- jQuery Features
- Installing jQuery
- jQuery Syntax
- jQuery Ready Function
- jQuery Selectors
- jQuery Actions
- jQuery plugins
- jQuery Validation plugin
- jQuery Slideshow
- jQuery Dropdown

jQuery UI

- Working with jQuery-UI
- jQuery Accordions

- jQuery Tabs
- jQuery Tooltips
- jQuery Autocomplete

WEEK-11:

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

WEEK-12:

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