



Web Designing Course Structure

Tenure - 3 to 4 Months

What is Web Design

- Introduction to Web Design
- Domain Names & DNS
- Client and Server Software.
- Static & Dynamic
- Careers in Web Technologies

Adobe Photoshop CSS-2

- Introduction of Stock Photography
- Types of Images and Image Editing Tools
- Introduction to Adobe Photoshop
- Using Photoshop Tools
- Layers, Actions and Filters
- Creating Custom Effects
- Design Banners, Basic Website Layout
- Design Complex website Layout
- Conversation of PSD to XHTML

Adobe Flash

- Introduction to Animation
- Introduction to Adobe Flash
- Tools in Adobe Flash
- Frame Animation

- Various Flash Effects
- Creating Flash Banners
- Creating Flash Intro's
- Creating Flash Website
- Basics of Action Scripting.

HTML & DHTML

- Structure of HTML
- Basic HTML Tags
- Advanced HTML Tags
- Difference between HTML & DHTML
- DHTML Basic tags
- Introduction to Doc Types
- Creating Simple HTML Pages

Cascading Style Sheets

- Introduction to CSS
- Types of style sheets
- Types of CSS Selectors
- Complete CSS properties
- Converting Table layout to CSS
- Custom CSS Layout Design
- Creating simple and dropdown menus
- Creating Appealing forms using CSS
- CSS Tips and Tricks with Hacks

Bootstrap

- Mobile first design
- Why Bootstrap?
- Including Bootstrap
- Customizing install
- Responsive Design
- The "container" class
- How Grids work in Bootstrap
 - Grid classes (.col-xs-, .col-sm-, .col-md-, .col-lg-)
 - Adding offsets to columns
 - Pushing and pulling columns
 - Nesting columns
- Navigation components
 - Navs
 - Navbars

- Jumbotron component
- Headers
- Panels
- ListGroup
- Breadcrumbs
- Labels
- Buttons
- Glyphicons (with buttons, toolbars and form inputs)
- Wells
- Creating forms
- Inline and horizontal forms
- Form validation
- Alert Messages
- Buttons and button groups
- ScrollSpy
- Tabs
- Collapse
- Carousel
- Modal
- Bootbox.js
- DateTime Picker
- Font Awesome
- Off-Canvas
- Image Gallery
- Social Buttons
- SweetAlert
- Yamm3 Mega Menu
- Reviewing the Bootstrap CSS source code
- Building another Bootstrap web page from scratch

Java Script

- Client and Server side scripting
- Introduction to Java Scripting
- Types of Java Scripts
- Variables, operators, loops
- Objects, Events and DOM
- Common java script functions
- Using Java script in Dreamweaver
- Java Script Validations
- Implementing Menus, Galleries etc

- Introduction to Ajax
- Real time Ajax Examples

JQuery

Introduction

What You Should Already Know

What is jQuery ?

Adding the jQuery Library to Your Pages

Basic jQuery Example

Downloading jQuery

Alternatives to Downloading

jQuery Syntax

The Document Ready Function

How to use Custom Scripts?

Using Multiple Libraries

jQuery – noConflict() Method

jQuery – Basics

- String:
- Numbers:
- Boolean:
- Objects:
- Arrays:
- Functions:
- Arguments:
- Scope:
- Built-in Functions:

jQuery – Selectors

How to use Selectors?

- jQuery – CSS Element Selector
- jQuery – CSS Element ID Selector
- jQuery – CSS Element Class Selector
- jQuery – CSS Universal Selector
- jQuery – CSS Multiple Elements E, F, G Selector
- jQuery Callback Functions

jQuery – DOM Attributes

- Get Attribute Value:
- Set Attribute Value:

jQuery – DOM Traversing

- Find Elements by index:
- Filtering out Elements:
- Locating Descendent Elements :
- JQuery DOM Traversing Methods:

jQuery – CSS Methods

- Apply CSS Properties:
- Apply Multiple CSS Properties:
- Setting Element Width & Height:
- JQuery CSS Methods:

jQuery – DOM Manipulation Methods

- Content Manipulation:
- DOM Element Replacement:
- Removing DOM Elements:
- Inserting DOM elements:
- DOM Manipulation Methods:

jQuery – Events Handling

- Binding event handlers:
- Removing event handlers:
- Event Types:
- The Event Object:
- The Event Attributes:

jQuery – Effects

- JQuery Effect Methods:
- jQuery Hide and Show
- jQuery Toggle
- jQuery Slide – slideDown, slideUp, slideToggle
- jQuery Fade – fadeIn, fadeOut, fadeTo
- jQuery Custom Animations

jQuery – AJAX

- load()
- get()
- post()
- ajax()

Angular JS

- How Angular.js is opinionated
- Difference between Backbone.js and Angular.js
- Controller Component
- Model Component
- View Component
- Directives
- Filters
- Services
- DI in Angular.js
- Creating Boundaries using ng-app
- Model View Controller
- Templates and Data Binding
- Repeating elements in templates
- Using Expressions, CSS Classes and Styles
- Using Controllers for UI responsibility separation
- Responding to model changes
- Understanding Built-in Directives
- Scope resolution
- One way and Two way data binding
- Filters Overview
- Understanding Filter Expressions
- Building custom Filters
- Services Overview
- Modularity using Services
- Injecting Services
- Directives Overview
- Creating Directives
- The Directive Definition Object
- Compilation and Linking
- Creating Components
- Communicating over \$http
- Configuring the requests
- Sending Http Headers
- Caching Responses
- Request and Response Transformation
- Using RESTful Resources
- Communication over WebSockets
- Testing Models using Jasmine
- Test considerations for Directives and Filters
- Using Angular Mocks
- Techniques for modularizing JavaScript code
- Overview of OSS Angular Modules
- Customizing Angular Modules

How to Create Website

- Client Requirements/Specifications

- Creating a concept and layout
- Choosing a Color Scheme
- Choosing Stock Photography
- Texture and Typography
- Design a Professional Layout
- Conversation of PSD to CSS
- Implementing JavaScript.

Web Hosting & FTP

- Web Hosting Basics
- Types of Hosting Packages
- Changing Name Servers
- Linux and Windows CP
- Using FTP Client
- Maintaining a Website

Adobe Dreamweaver CS3

- Intro to Adobe Dreamweaver
- Learning the interface
- Defining a Dreamweaver site
- Adding Content and Multimedia.
- Creating user submission forms.
- Importing a website design
- Dynamic Features

Testing and Implementation

- Various Browser Versions
- Validating the dHTML & CSS
- Common Compatibility Issues
- Fundamental of Web Page Designing
- Different Rules of Web Designing
- Launching a Website
- Understanding Cpanel and FTP
- Supporting Browsers for Web pages
- Client Side and Server Side Scripting
- Mobile Compatible Web Designing
- File saving modes
- Shopping Portals and E-commerce Designing
- SEO-Friendly Web Structure

- Different Frameworks in Website Designing
- Tags, Div and Table in HTML
- Webpage layout and structure
- Choosing color combination
- Choosing Website Themes
- Image Optimization or Resizing
- Advance Drop down menu
- Creating Drop down with the help of list
- Text effects with CSS3
- Building advanced Navigation Systems in CSS
- Object transformation
- Transitions
- Software Installation
- Wordpress Installation
- Designing sites in Wordpress
- HTML 5 and CSS 3
- Java script
- JQuery
- JQuery for Mobile
- Photoshop
- Logo Designing
- Vector and Graphic Software
- Images
- Uploading Audios and Videos in Website
- Doctype and HTML Heads
- Body and Header Tags
- Attributes for Background, Bg color and Text color.
- New tags added in HTML5
- Margin, padding & positioning
- SVG
- Video & Audio Tags
- Canvas
- Geolocation
- Shadow & Gradient
- Borders radius
- Slice Cutting
- Selection of an area
- Text tool details
- Opacity & fill
- Screen resolution
- Forms and forms attributes
- Styling Forms
- CSS linking types and coding for linking
- Text, Image and Link effects with CSS
- Responsive Web Designing
- Practicing on Dreamweaver and other tools
- Final Projects
- Submitting Projects

SEO Concepts

- The importance of SEO
- SEO concepts — how search engines work and how they rank results and effects an Website
- The anatomy of a website and importance of on-site and off-site ranking factors
- Technical SEO concepts, methodology and changes to search ranking

END
