



Responsive Web Design with HTML5

Duration: 5 days | 40 hrs

HTML5 and CSS3: Website Development provides Web Designers with the knowledge and hands-on practice they need to build and manage professional web sites using HTML5, CSS3 and JavaScript, which can be implemented in future-rich web browsers on iPhones, Android Phones and WebOS Phones thereby allowing mobile web developers to build websites that surpass desktop equivalents.

Eligibility / Audience:

This course is for people who are new to web design and development or existing web developers who want to use HTML 5 and CSS3 to build intuitive, attractive and accessible web sites.



HTML5

Day 1 : Fundamentals of HTML5 and CSS

Duration: 1 day | 8 hrs

In this module you will learn fundamentals of HTML5 and Web standards. You will also learn CSS so that you can create web pages and web layouts.

Eligibility / Audience:

You should know computer operating and fundamentals of Internet.

Unit 1: Introduction to the Web

- Browsers & Server
- What is HTML, XHTML & HTML5?
- What is CSS?
- Browser Support available
- Creating a folder structure for a site

Unit 2: Getting started in HTML5

- Doctype
- Basic tags
- Attributes
- HTML Entities
- Container vs Standalone Tags
- Block vs Inline Tags
- Using Images in HTML
- Using Tables
- Creating Links
- Lab Exercise

Unit 3: Getting started with CSS

- What is CSS?
- CSS concept
- Types of CSS
- CSS Syntax

Unit 4: Introduction to Box Model

- Understanding Box Model
- Margin & Padding
- Using Float Property
- Positioning Elements
- Using display property
- Lab Exercise



HTML5

Unit 5: CSS Selectors

- .class
- #id
- *
- Element selector
- Group selector
- Lab Exercise
- Descendant selector
- Child selector
- Attribute selector
- Pseudo selector
- Pseudo Element Selector



HTML5

Day 2 & 3 : Responsive Web Designing with HTML5 and CSS3

Duration: 2 day | 16 hrs

In this module you will learn CSS3 and how to build responsive web pages for multiple devices using Media Queries.

Eligibility / Audience:

You should know fundamentals of HTML5 and CSS or you should complete the Day 1 training.

Unit 1: Converting PSD To HTML

- Creating Web Layout
- Slicing

Unit 2: Using HTML5 Semantic Tags

- Creating layout using new HTML5 tag
- Applying Fallback support for older browser

Unit 3: HTML5 Media Support

- Audio
- Video

Unit 4: HTML5 Form 2.0

- HTML5 new form elements
- HTML5 new attributes

Unit 5: CSS3 Properties

- Text Properties
- Web Font
- Box Properties
- Transparency
- Multiple Backgrounds
- Gradients
- Transforms, Transitions and Animations
- Lab Exercise

Unit 6: Using Sprites

- What is Sprites?
- Building Navigation using CSS & Sprites
- Working with Sprites



HTML5

Unit 7: Creating responsive site using Media Queries

- What is Media Queries?
- Types of media
- Applying condition with CSS
- Creating layout for desktop browser, tablet & mobile
- Working with Grid layouts
- Types of grid layout & frameworks
- Lab Exercise



HTML5

Day 4 : Twitter Bootstrap

Duration: 1 day | 8 hrs

In this module you will learn a faster and intuitive way to create responsive / mobile first web pages using Twitter Bootstrap framework.

Eligibility / Audience:

You should have thorough knowledge of HTML5 and CSS3 or you should complete the Day 1, 2 and 3 training.

Unit 1: Working with Twitter Bootstrap

- What is Twitter Bootstrap?
- Downloading and installing Bootstrap
- Understanding the Bootstrap file structure
- Integrating Bootstrap library in HTML
- Working with grids & Columns
- Working with Buttons & Button styling
- Styling page elements
- Typography, Images, Icons
- Utilizing Form Controls
- Responsive Design
- Understanding & Inserting Components
Buttons, Menus, Navs, Navbar, Breadcrumbs,
Pagination,
- Working with JavaScript
- Adding JavaScript effects, like dropdown
Menus, Tabs, Accordions, Carousels, Modals
- Lab Exercise



HTML5

Day 5 : Less and Sass

Duration: 1 day | 8 hrs

This module introduces Less & Sass tools-dynamic style sheet pre-processors that adds programming features like variables, functions and reusable classes.

Eligibility / Audience:

You should have thorough knowledge of HTML5 and CSS3 or you should complete the Day 1, 2 and 3 training.

Unit 1: Working with Less and Sass

- What is Less?
- Working with LessVariables and Operator
- Working with reusable & parameterized mixins
- Defining nested CSS rules
- Importing external files
- Lab Exercise
- What is Sass?
- Working with Sass Variables and Operator
- Working with reusable & parameterized mixins
- Defining nested CSS rules
- Referencing Parent Selectors: &
- Extend/Inheritance
- @-Rules
- Controls Directives
- Importing external files
- Lab Exercise