

# FRONT-END WEB DEVELOPMENT

Course Duration: 40 training hours



## COURSE OUTLINE

### INTRODUCTION AND COURSE OVERVIEW

#### - What is Front End Development?

- What is difference between Front End Development and Back End Development?
- What is a web browser, server and how they work?
- Install required tools

#### - Intro to HTML.

- HTML Structure
- Specifying different versions of HTML – Doctype
- Understanding structure
- Learning about markup
- Tags, attributes and elements

#### - Text

- Headings and paragraphs
- Bold, italic, emphasis
- Structural and semantic markup

#### - Lists

- Numbered lists
- Bullet lists
- Definition lists

#### - Links

- Creating links between pages
- Linking to other sites
- Email links

#### - Images

- How to add images to pages
- Choosing the right format of image
- Optimize images for the web

#### - Tables

- How to create table
- What information suits tables
- How to represent complex data in tables

#### - Forms

- Different kinds of form controls
- New HTML5 form controls

#### - Video

- Audio
- Iframes – YouTube

#### - Comments

- Meta Information
- Class Attribute
- ID Attribute
- Escape characters

#### - Block elements

- Inline elements
- Inline block elements
- Grouping elements & text elements in block and inline

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## - Introduction in CSS

- What CSS does?
- How CSS works?
- Rules, properties and values
- Inheritance, parent - Child relationship

## - Color - CSS

- How to specify a color
- Color terminology and contrast
- Background color

## - Text

- Size and typeface of text
- Bold, italics, capitals, underlines
- Spacing between lines, words and letters

## Pseudo classes and elements in CSS?

### - CSS Resets

How they work

### - Boxes

- Controlling size of boxes
- Box model for borders, margin, and padding
- Displaying and hiding boxes
- Shadows

### - List, Tables and forms

- Specifying bullet point styles
- Adding borders and backgrounds to tables
- Changing the appearance of form elements

### - Layout

- Controlling the position of elements
- Creating site layouts
- Designing for different sized screens
- Positions

### - Images

Controlling size of images in CSS  
Aligning images in CSS  
Adding background images

### - CSS3 Transitions

### - CSS3 Transforms

### - CSS3 Animations

### - Screen Sizes

- Screen Resolutions
- Page Size
- Fixed Layout
- Liquid Layout

### - Responsive Websites

## BOOTSTRAP

### - DevTools

- How to test a website with DevTools
- HTML5 Layout

### - Process & Design

- How to approach building a site
- Sitemaps
- Wireframe
- Visual Hierarchy

### - Convert font and add in website

Google Fonts

### - CSS Preprocessors

### - Introduction to Javascript

### - What is Javascript

### - How Javascript works

### - Working with Document Object

### Model - DOM

### - Javascript variables, strings and arrays

### - Javascript functions and objects

### - Javascript loops

### - Javascript conditions

### - Javascript events

### - jQuery Introduction

### - Convert font and add in website

How jQuery works

### - jQuery Selectors and Events

### - jQuery Traversing

### - jQuery Effects

### • Fade Effect

### • Slide Effect

### • Callbacks

### - Create image slider and add in website

### - Google Map in website

### - Slice tools

Learn how to slice a photoshop design

### - PSD Slice

### - Deploy a website

### • Web Hosting

### • Domain