

# Responsive Web Design



**ADMEC Multimedia Institute**




99-1178-2350



[www.admecindia.co.in](http://www.admecindia.co.in)



# Prerequisites to Join Our Responsive Web Designing Master Course



Person with creative viewpoint, logical thinking, and designing background must opt this course. Apart from academic qualification, it is desired that person must have good command over Photoshop or Illustrator or both designing applications atleast. Only knowledge of Photoshop would not be considered as eligibility for this course; one must have a sense for creating layouts in Photoshop like Templates, Login Forms, Product Galleries pages for web.



## Semesters and Modules:



### 1. HTML5 and CSS3


- Introduction and Creating Content with HTML5
- HTML5 Values and Units
- What goes into a Web Document?
- The HEAD Elements
- Text Structuring Essentials
- Character Formatting Essentials
- Lists
- Links
- Tables
- Frames
- Forms
- Colors and Images



- Multimedia
- Special Characters
- Internationalization and Localization
- Scripts
- HTML5 Tips and Tricks
- CSS3 Basics
- Style Definitions
- CSS3 Values and Units
- CSS3 Inheritance and Cascading
- Font Properties
- Text Formatting
- CSS3 Lists
- Padding, Margins, and Borders
- Colors and Background
- CSS3 Layouts with Floating and Positioning
- Pseudo Elements and Generated Content
- Dynamic HTML5 with CSS3
- Media Styles and Defining Documents for Printing
- Formatting with HTML5 Tables
- User Interface Styles



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- Testing and Validating CSS3
  - CSS3 Tips and Tricks
  - Synchronizing Sounds in Animations using HTML5 Audio API
  - Videos in Web Pages using HTML5 Video API and jQuery Plugin




## 2. JavaScript, jQuery, HTML DOM, and DHTML



### Part-1. Introduction to JavaScript

- JavaScript Role

### Part-2. JavaScript Core Language Reference

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- The String Object
  - The Math, Number and Boolean Objects
  - The Date Object
  - The Array Object
  - Control Structures & Exception Handling
  - JavaScript Operators
  - Function & Custom Objects
  - Global Function & Statements

### Part-3. Document Object Reference

- JavaScript Essentials
- Document Object Model Essentials
- Generic HTML5 Element Objects



- Location & History Objects
- The Document & Body Objects
- Image, Area, Map & Canvas Objects
- Form, & Related Object
- Button Objects
- Event Objects
- Style Sheet & Style Objects
- Object Oriented JavaScript
- DOM and BOM
- Ajax & XML

### 3. **jQuery**

#### **Part-1. Introduction to jQuery**

- jQuery Fundamentals
- Selecting the elements upon which to act
- Bringing pages to life with jQuery
- Events are where it happens
- Energizing pages with animations & effects
- Beyond the DOM with jQuery utility functions
- Expand your reach by extending jQuery
- Talk to the server with Ajax



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## Part-2. jQuery UI

- Introducing jQuery UI : themes & effects
- jQuery UI mouse interactions: Follow that mouse
- jQuery UI widgets: Beyond HTML controls



## 4. Responsive Website Designing

- Dynamic CSS
  - LESS
  - SASS
- Exploring Various Grid Systems
- Responsive Website Making Frameworks
  - Boilerplates
  - Skeleton
  - Foundation
  - Bootstrap
- Testing & Debugging using Emulators



## Exercises and Projects in Responsive Web Designing Master Course

- Responsive Website
- Form Validation
- UI Development



- Navigation Development
- Games (static and XML)
- AJAX based Applications
- Slide shows (static and XML)
- Image Galleries (static and XML)
- Fancy Pop-up Windows
- Custom Plug-ins
- Theme Changer (with Cookie)
- Stylish Forms
- Tabbed Panels etc.



Although we discuss about all the real world and contemporary techniques and projects in the classes. Hence, we are posting some of the projects name:



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## Who will teach you?

**Mr. Ravi Bhadauria**

(Web Developer, IM, On-page and PPC Expert)

Mr. Ravi is the director and senior most web faculty at ADMEC Multimedia Institute. His sound understanding and exceptional learning methodologies distinguished him from others in the industry. He is having rich industry experience of over 15 years. He is quite supportive and offers congenial working environment to the students which foster their growth.



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