

Web Designing and Development

HTML CSS JAVASCRIPT AND JQUERY

COURSE CONTENTS

Objective: the main objective of this course is to design a attractive websites by using html css,JavaScript and JQuery.

HTML

- 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, Canvas tag, Drag and Drop
- Special Characters
- Web Storage API
- HTML5 Graphics & Embedded Content
- HTML5 Tips and Tricks

CSS

- 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
- Testing and Validating CSS3
- CSS3 Tips and Tricks

JAVASCRIPT

Part-1. Introduction

1. JavaScript Role

- Compatibility Issues
- Setting your Authoring Environment
- Examining the script

Part-2. JavaScript Core Language Reference

1. The String Object

- String and Number Data types
- String Object
- String Utility Functions

2. The Math, Number and Boolean Objects

- Math Object
- Number Object
- Boolean Object

3. The Date Object

- Time Zones & GMT
- The Date Object
- Validating Date entries in form

4. The Array Object

- Structured Data
- Creating an empty Array
- Population an Array
- JavaScript Array Creation Enhancements
- Array Object Properties
- Array Object Methods

5. Control Structures & Exception Handling

- If & If...Else Decisions
- Conditional Expressions
- Repeat (for) Loops
- The while loops
- The do-while loops
- The with Statement
- Labeled Statement
- The switch Statement
- Exception Handling

6. JavaScript Operators

- Operator Categories
- Comparison Operators
- Assignment Operators
- Boolean Operators
- Bitwise Operators

7. Function & Custom Objects

- Function Objects
- Function Application Notes
- Object Oriented Concepts
- Object Concepts

8. Global Function & Statements

- Functions
- Statements

Part 3. Document Object Reference

1. JavaScript Essentials

2. Document Object Model Essentials

- The Object Model hierarchy
- Object Properties
- Object Methods
- Object Event Handlers
- The W3C Dom

3. Generic HTML5 Element Objects

- Generic Objects

4. Location & History Objects

5. The Document & Body Objects

6. Image& Canvas Objects

7. Form, & Related Object

- Form Object
- Field set & Legend element objects
- Label Element Objects

8. Button Objects

9. Event Objects

- Event Propagation
- Referencing the event object
- Binding events
- Event Types

10. Style Sheet & Style Objects

- Imported Stylesheets
- Reading style Properties
- CSS3 Rule & rule objects
- Filter Object

jQuery

- jQuery basics and functions
- Using selectors with jQuery
- jQuery event model
- jQuery animation and advanced effects
- jQuery plugins
- Manipulating page elements with jQuery