

UI Development Online Training

Course Duration : 45 Hrs

UI Development Course Content

HTML

- Introduction to HTML
- Basic Tags
 - Adding Headings, Paragraphs and Breaks
 - Adding Lists
- Links within a page
- Link paths explained
- Introduction to HTML
- Adding Images
 - Adding an image to your page
 - Making an image into a link
- Aligning text with images Adding the “alt” attribute to your image Creating
 - Links
 - Linking pages to each other
 - Adding E-Mail Links
- HTML Frames
- HTML Tables
- Form Designing
- Marquees
- Search Engine Friendliness
 - Adding Titles
 - Adding META-Descriptions
 - Adding META-keywords

CSS

- Introduction to css
- What is css
- Types of css
- What is inline css
- Discuss inline css
- What is internal css
- Discuss internal css
- Discuss about properties
- Types of selector
- Difference b/w class selector and id selector
- What is div
- Template creation with divs
- Difference b/w div and span
- External css

JAVASCRIPT

- Introduction JavaScript
- What is JavaScript
- What is statement
- Types of statements
- What is variable
- Variable declaration
- What is an operator
- Types of operators
- Discuss operators theoretically and practically
- Conditional statements
- Introduction to loops
- For loop examples
- While loop examples
- Difference b/w while and dowhile loops
- functions
 - Parameterized functions
 - Non-parameterized functions
 - Recursive functions
 - Difference b/w parameterized and non-parameterized functions
 - Math calculations using functions
 - Math calculations using functions and forms
- Introduction to objects
- What is property and method
- String object
- Math object
- Navigator object
- screen object

- Date object
- Array object
- Introduction to HTMLDOM
- Document object
- Window object
- Discuss dropdown menu practically
- Discuss navigation menu practically

AJAX

- Ajax
 - Introduction to Ajax
 - What is XMLHttpRequest object?
 - Ajax properties
 - Ajax methods
 - Ajax event handler

BOOTSTRAP GRIDS

- Bootstrap Grids
 - BS Grid System
 - BS Stacked/Horizontal
 - BS Grid Small
 - BS Grid Medium
 - BS Grid Large
 - BS Grid Examples
- Bootstrap Case
 - Case Container
 - Case Jumbotron
 - Case Button/Icon
 - Case Multicolumn
 - Case Menu
 - Case Navigation Bar
- Bootstrap CSS
 - CSS Typography
 - CSS Buttons
 - CSS Forms
 - CSS Helpers
 - CSS Images
 - CSS Tables
- Bootstrap Comps
 - Glyphicons

- DropdownsNavs

JQUERY

- Introduction of jquery
 - Introduction
 - features of jquery
 - syntax of jquery
 - how to write jquery program
- Features of JQuery
 - jquery selectors
 - Introduction
 - Discussing about jquery selectors
 - Introduction to JQuery filters
 - Discussing about all jquery filters theoretically and practically
 - jquery selector manipulation
 - Attribute manipulation
 - css manipulation
 - Discussing about css()
 - Discussing about all css methods
 - jquery functions and events
 - Helper functions
 - Bind()
 - Unbind()
 - jquery effects and animations
 - Discussing about effects
 - Discussing about animations
 - htmlDOM traversal
 - Inserting content(all methods)
 - JQuery rotator with program explanation
 - JQueryui
 - Introduction
 - Interactions
 - Widgets
 - Effects
 - Utilities
 - JQuery rotator with simple code
 - JQuery rotator without code
 - Simple JQuery slider
 - JQuerysliderhorizontal
 - JQueryslidevertical
 - JQuery slider with pager
 - JQuery 3d slider
 - JQueryshuffle

- JQueryzoom
- Popupwindow
- Cloudzoom
- JQuery form validation
- JQuery form validation using plugin

HTML 5 and CSS 3

- About This Course
- Prologue
 - Description
 - Rationale
 - Objectives
 - Entry Profile
 - Exit Profile
- Conventions
- **Chapter 1 - Getting Started with HTML**
- Introducing HTML
- Creating an HTML Web Page
 - Text Editor
 - Graphic Editor
 - Identifying the Basic Structure of an HTML Page
 - Exploring the HEAD Tag
 - Exploring the BODY Tag
- Practice Questions
- Summary
- **Chapter 2 - Enhancing Web Pages**
- Working with Styles
 - Identifying the Syntax of CSS
 - Identifying the Types of Style Sheets
 - Applying Multiple Style Sheets
 - Identifying CSS Selectors
 - Styling HTML Elements
 - Grouping and Nesting Styles
 - Controlling the Visibility of Elements
 - Positioning HTML Elements
- Applying Transitions, Animations, and Transformations
 - Applying Transitions
 - Applying Animations
 - Applying Transformations
- Practice Questions
- Summary
- **Chapter 3 - Working with Tables and Frames**
- Creating Tables

- Identifying the Basic Structure of a Table
 - Enhancing Tables
- Accessing Multiple Web Pages Using Frames
 - Creating Web Pages Using Frames
 - Styling Frames
- Practice Questions
- Summary
- **Chapter 4 - Adding Interactivity to Web Pages**
- Understanding Scripting
 - Types of Scripting
 - Identifying the Benefits of JavaScript
- Implementing JavaScript in Web Pages
 - Embedding a Script into a Web Page
 - Creating and Using an External File
 - Identifying Rules and Conventions Used in JavaScript
- Using Variables, Operators, and Control Structures
 - Defining Variables
 - Using Operators
 - Using Conditional Constructs
 - Using Loop Constructs
 - Break and Continue Statements
- Implementing Functions
 - Introducing Functions
 - Creating Functions
 - Accessing Functions
- Practice Questions
- Summary
- **Chapter 5 - Creating Dynamic Web Pages**
- Designing an HTML Form
 - Creating Forms
 - Exploring Form Elements
- Manipulating the Components of a Web Page
 - Working with Browser Objects
 - Working with Form Objects
- Practice Questions
- Summary
- **Chapter 6 - Working with Graphics**
- Introducing Canvas
 - Creating a Canvas
 - Working with Color, Shapes, and Styles
 - Working with Path, Text, and Images
- Transforming and Animating Canvas Elements
 - Transforming Canvas Elements
 - Animating Canvas Elements

AngularJS Course Content

- What is AngularJS?
- Understanding the MVC Pattern
 - Creating an Angular Model, View, Controller
- How AngularJS Works
 - Life Cycle of AngularJS
 - Architecture of AngularJS
 - Basics of AngularJS ex:ng-app
 - Data Binding,two way binding
- Scope
 - \$scope
 - How Scope works
 - \$scope life cycle
 - Directives and scope
 - nested scope
- Filters
 - Basics of Filters
 - Custom Filter
 - Form validation using Filter
- Directives
 - How to create directives
 - Configure Directives
 - Passing arguments in directives
 - Built in Directives
 - Directive Scope
 - ngModel
- Routing
 - Routing Modes
 - Multiple Views Configuration
 - \$location service
 - Layout Template
 - Advanced Routing Techniques
- Dependence Injection

- Annotation
 - Define Annotation Explicitly
 - Define Annotation Inline
 - ngMine
 - \$inject API
- Service
 - Service Registration
 - How to use Service in your app
 - Different ways of Creating Service
- Security
 - Black and White listing URLS
 - \$sce API and \$sce Service,Configuration
 - What is Context Type
- Events
 - How to handle events
 - Event Life Cycle
 - Event Object
- Module
 - Module Loading
 - Properties
 - Run Blocks
- Testing
 - RequireJs
 - Writing test cases
 - Jasmine
- Debugging AngularJs
 - Debugging from DOM
 - Debugger
 - Angular Batarang
 - Project