



An ISO 9001-2015 Certified

www.maruthitechnologies.in



Course

UI DEVELOPMENT

Duration : 2 Months

Head Office cum Training Division:

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UI Development Content

- **HTML 4**
- Overview of Web Development
 - ▶ Client-side Programming
 - ▶ Server-side Programming
- Types of Webpages
 - ▶ Static Webpage
 - ▶ Dynamic Webpage
 - ▶ Server Webpage
- Types Of Languages
 - ▶ Programming Languages
 - ▶ Scripting Languages
- Introduction To HTML
- Structure Of HTML
- Tag
 - ▶ Empty Tag
 - ▶ Container Tag
- Basic Tags
- Meta Tags
- Attributes & Parameters
- Comments
- Image tag
- Link Tags
- Image Link
- Text Link
- Email Link
- Marquee Tag
- List
 - ▶ Order List
 - ▶ Unorder List
 - ▶ Nested List
 - ▶ Definition List
- Table Tag
- Form tags
- Background Colors & Images
- Introduction To Doctypes
- HTML 5**
- What is HTML 5
- Overview of HTML 5
 - ▶ Browser Support
 - ▶ W3C and Web Hypertext Application Technology Working Group (WHATWG).
- Specifications
 - ▶ Power of HTML5 in web & mobile Domains
 - ▶ Overview of updated new features
- HTML5 Syntax
 - ▶ The DOCTYPE
 - ▶ Character Encoding
 - ▶ The `<script>` tag
 - ▶ The `<link>` tag
 - ▶ HTML5 Document
- Forms
 - ▶ color
 - ▶ date
- ▶ datetime
- ▶ datetime-local
- ▶ email
- ▶ month
- ▶ number
- ▶ range
- ▶ search
- ▶ tel
- ▶ time
- ▶ url
- ▶ week
- Form Elements
 - ▶ `<datalist>`
 - ▶ `<keygen>`
 - ▶ `<output>`
- New attributes for `<form>`
 - ▶ autocomplete
 - ▶ novalidate
- New attributes for `<input>`
 - ▶ autocomplete
 - ▶ autofocus
 - ▶ form
 - ▶ formaction
 - ▶ formenctype
 - ▶ formmethod
 - ▶ formnovalidate
 - ▶ form target
 - ▶ height and width
 - ▶ list
 - ▶ min and max
 - ▶ multiple
 - ▶ pattern (regexp)
 - ▶ placeholder
 - ▶ required
 - ▶ step
- Video and Audio
 - ▶ Media
 - ▶ `<audio>`
 - ▶ `<video>`
 - ▶ `<source>`
 - ▶ `<embed>`
 - ▶ `<track>`
 - ▶ plugins
 - ▶ Youtube
- HTML5 NEW ELEMENTS
 - ▶ `<article>`
 - ▶ `<aside>`
 - ▶ `<canvas>`
 - ▶ `<details>`
 - ▶ `<figcaption>`
 - ▶ `<figure>`
 - ▶ `<footer>`
 - ▶ `<header>`



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UI Development Content

- ▶ <hgroup>
 - ▶ <main>
 - ▶ <mark>
 - ▶ <meter>
 - ▶ <nav>
 - ▶ <section>
 - ▶ <summary>
 - ▶ <time>
 - Migration from HTML4 to HTML5
 - ▶ HTML5 Browser Support
 - ▶ HTML5 Elements as Block Elements
 - Adding New Elements to HTML
 - Problem With Internet Explorer
 - HTML5 DEPRECATED TAGS
 - ▶ <acronym>
 - ▶ <center>
 - ▶
 - ▶ <frame>
 - ▶ <frameset>
 - ▶ <s>
 - ▶ <u>
 - HTML5 DEPRECATED ATTRIBUTES
 - ▶ align-caption, iframe, img, input, legend, table, hr, div, h1, h2, h3, h4, h5, h6, p, td, th, and tr.
 - ▶ background-body
 - ▶ bgcolor-table, tr, td, th and body.
 - ▶ border table
 - ▶ cellpadding-table
 - ▶ cellspacing-table
 - ▶ hspace-img
 - ▶ vspace-img
 - ▶ noshade-hr
 - ▶ rules-table
 - ▶ size-hr
 - ▶ type-li, ol and ul
 - ▶ width-hr, table, td, th, pre.
 - App Cache or Offline Applications
 - ▶ Browser Support
 - Canvas Overview
 - ▶ Lines
 - ▶ Curves
 - ▶ font
 - ▶ Image
 - ▶ Paths
 - ▶ Shapes
 - ▶ Color, gradients
- Cascading Stylesheets (CSS2)**
- CSS
 - ▶ Introduction
 - ▶ Syntax
 - ▶ Advantages
 - Types of Stylesheets
 - ▶ External style sheet
 - ▶ Internal style sheet
 - ▶ Inline style
 - Types of Selectors
 - ▶ Global
 - ▶ Class
 - ▶ Id
 - Div's & Span tags
 - Colors
 - Background
 - ▶ background-color
 - ▶ background-image
 - ▶ background-repeat
 - ▶ background-attachment
 - ▶ background-position
 - Font
 - ▶ font-family
 - ▶ color
 - ▶ font-size
 - ▶ font-style
 - ▶ font-variant
 - ▶ font-weight
 - Text
 - ▶ Color
 - ▶ letter-spacing
 - ▶ Word-spacing
 - ▶ line-height
 - ▶ text-align
 - ▶ text-decoration
 - ▶ text-indent
 - ▶ text-transform
 - ▶ vertical-align
 - ▶ White-space
 - Images
 - ▶ border
 - ▶ width
 - ▶ height
 - Links
 - ▶ a:link
 - ▶ a:visited
 - ▶ a:hover
 - ▶ a:active
 - Lists
 - list-style-type
 - list-style-position
 - list-style-image
 - Tables
 - Box Model
 - Border & Outline
 - outline
 - margin
 - padding
 - Advanced



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UI Development Content

- Dimension
 - ▶ height
 - ▶ width
 - ▶ line-height
 - ▶ max-height
 - ▶ min-height
 - ▶ max-width
 - ▶ min-width
- Display
- Positioning
- Layers (Z-index)
- Floating
- Scrollbars
- Navigation Bar
- Image Opacity
- Image Sprites
- Attribute Selectors
- Introduction to CSS3.0**
 - CSS 2.0 vs CSS 3.0
 - Introduction to css3
 - What is new in css3.0
 - Border
 - ▶ box-shadow
 - ▶ border-image
 - ▶ border-radius
 - ▶ background
 - ▶ background-clip
 - ▶ background-origin
 - ▶ background-size
 - ▶ Multiple Background Images
 - Gradients
 - ▶ Linear Gradients
 - ▶ Top to Bottom
 - ▶ Left to Right
 - ▶ Diagonal
 - ▶ Angles
 - ▶ Multiple Color Stops
 - ▶ Transparency
 - Repeating-linear-gradient
 - Radial Gradients
 - ▶ Evenly Spaced Color Stops
 - ▶ Differently Spaced Color Stops
 - ▶ Set Shape
 - ▶ Use of Different Size Keywords
 - ▶ closest-side
 - ▶ farthest-side
 - ▶ closest-corner
 - ▶ farthest-corner
 - ▶ repeating-radial-gradient
 - Text effects
 - ▶ text-shadow
 - ▶ word-wrap
 - @FONT Face
- Browser Support
- Font Formats
- Browser Support for Font Formats
- Using The Font
- Working with third party plugins
- Google fonts
- Box Resize
- Box Sizing
- Outline
- Transitions
 - ▶ transition
 - ▶ transition-delay
 - ▶ transition-duration
 - ▶ transition-property
- Animations
 - ▶ @keyframes
 - ▶ animation
 - ▶ animation-delay
 - ▶ animation-direction
 - ▶ animation-duration
- Selectors
- Multiple Columns
 - ▶ column-count
 - ▶ column-fill
 - ▶ column-gap
 - ▶ column-rule
 - ▶ column-rule-color
- User Interface
 - ▶ box-sizing
 - ▶ resize
 - ▶ outline-offset
 - ▶ resize
- Javascript**
 - Introduction to javascript
 - ▶ Syntax o Statements
 - ▶ Comments
 - Introduction to Client Side Scripting
 - Introduction to Java Script
 - Javascript Types
 - Variables in JS
 - Datatypes in JS
 - Operators in JS
 - Conditional Statements
 - Java Script Loops
 - JS Popup Boxes
 - JS Events
 - JS Arrays
 - JS Objects
 - JS Functions
 - Operators
 - ▶ Arithmetic
 - ▶ Assignment
 - ▶ Comparison



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UI Development Content

- ▶ Logical
- ▶ Conditional
- Using Java Script in Realtime
 - ▶ JS Popup Boxes
 - ▶ Validation of Forms
- The DOM, Nodes, and Objects
 - ▶ Understanding the DOM
 - ▶ Adding nodes to the DOM
 - ▶ Deleting nodes from the DOM

Advance jQuery

- String
- Numbers
- Boolean
- Objects
- Arrays
- Functions
- Arguments
- Scope
- Built-in Functions
- JQuery – Selectors
- How to use Selectors?
 - ▶ jQuery – CSS Element Selector
 - ▶ jQuery – CSS Element ID Selector
 - ▶ jQuery – CSS Element Class Selector
 - ▶ jQuery Effects
 - ▶ jQuery Hide/Show
 - ▶ jQuery Fade
 - ▶ jQuery Slide
 - ▶ jQuery Animate
 - ▶ jQuery stop()
 - ▶ jQuery Callback
 - ▶ jQuery Chaining
- jQuery – DOM Attributes
 - ▶ Get Attribute Value
 - ▶ Set Attribute Value
 - ▶ Jquery – DOM
 - ▶ Jquery Events
 - ▶ Ajax
 - ▶ UI

Responsive Web Design(Bootstrap and apply media query)

- Twitter Bootstrap - Introduction
- Grid Systems in Bootstrap
- Components and form elements
- Slider animations in Bootstrap
- Bootstrap Plugins and its uses
- Media Attribute and Media Type Concepts
- Introduction to Media Queries
- Understanding CSS Box Model & CSS Resets
- Techniques to make Responsive Images
- Creating Responsive menu
- Creating Responsive Banner slider
- Creating Responsive Content area

- Creating Responsive Footer

Adobe Photoshop

- Introduction of Stock Photography
- Types of Images and Image Editing Tools
- Introduction to Adobe Photoshop
- Using Photoshop Tools
- Layers, Actions and Filters
- Creating Custom Effects

Angular Introduction

- One page application
- What is AngularJs Expressions
- What is Angular Directives
- Angular Controllers
- Angular Filters use
- Angular Http works
- Angular Tables
- Angular Modules
- Angular Forms
- Angular Validation(javascript)
- Angular Includes
- Angular Application



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