AngularJS - COURSE CONTENTS

01- HTML 5.0,CSS 3.0 [12hrs]

Duration:
Prerequest:

- Basics
- HTML Elements , Attributes
- HTML Styles
- HTML Forms & Form Elements
- HTML Input Element Types
- HTML Input Attributes
- HTML File Paths
- HTML 5.0 new input elements
- <Script> tag and its uses
- Local Storage Session Storage
- WebWorker
- Geolocation
- Canvas
- Application cache
- HTML & XHTML
- CSS Introduction
- CSS Syntax
- CSS Selectors
- CSS Styling
- BOX Model
- Transition
- Gradient

02- JavaScript & Jquery [20 hrs]

- Introduction
- Javascript Statements , Keywords
- Javascript Data Types , premitive types
- Javascript Functions , Parameters & Return Values
- Javascript Programs
- OOPs concept
- Creating Objects, adding Properties and Methods to Objects
- Javascript Conditional Statements , Loops & Iteration
- Enumerating properties
- Callbacks
- JSON
- Jquery
  - Understanding Jquery
  - Jquery Selectors
  - Working with Evenets

03 - AngularJS [48 hrs]

- **Basics**
  - Angular JS Introduction & history
  - Core Features of AngularJS
  - MVC Architecture
- **Angular Expressions**
  - AngularJS Numbers, Strings, Objects, Arrays
  - AngularJS expressions v/s Javascript expressions
- **Filters**
  - Built-in Filters
  - Adding Filters to Expressions
  - Adding Filters to Directives
  - Custom Filters

AngularJS - COURSE CONTENTS

Directives
- Introduction to Directives
- Using AngularJS built-in Directives
- Creating new Directives
- Data binding
- Isolating Directive scope
- Handling events with Directives

- **Controllers**
  - AngularJS Controller s
  - Controller methods
  - Controllers in External files
  - Attaching properties and functions to scope
  - Nested Controllers
  - Using filters in Controllers
  - Controllers in External Files
  - Controllers & Modules

- **Modules**
  - Introduction to AngularJS Modules
  - Creating Module
  - Adding a Controller
  - Adding a Directive
  - Bootstrapping AngularJS

- **Forms**
  - Working with Angular Forms
  - Model binding
  - Form controller
  - Form Validation
  - Form State and Input State
  - Custom validation
  - Form events
  - $error object

- **Scopes**
  - What is scope and how to use it?
  - Two way data binding
  - Scope inheritance
  - Scope & controllers
  - Scope & directives
  - $apply and $watch
  - Rootscope
  - Scope broadcasting
  - Scope events

- Services
  - What is a Service?
  - Using AngularJS built in Services

- Creating custom Service
- Use custom Service inside a Filter
- Ajax

- Tables, SQL
  - Displaying data in a Table
  - Fetching data from a PHP Server running MySQL
  - Fetching Data from an ASP,NET server running SQL
  - Cross-site HTTP Requests
  - AngularJS Dependency Injenction
  - Value, Factory, Service, Provider, Constant

- Single Page Application
  - What is SPA
  - Pros & Cons of SPA
  - Installing the ngRoute module
  - Configure routes
  - Passing parameters
  - Changing location
  - Resolving promises
  - Create a Single Page Application

- Animations
  - What is an Animation?
  - What ngAnimate Module do?
  - CSS transforms
  - CSS transitions
  - Applying animations
  - Directives supporting animation

- Routing
  - What is Routing & its need
  - Controllerse
  - Otherwise method
  - Template

- Includes
  - Include AngularJS code
  - Include Cross Domains

- Testing
  - An introduction to Unit Testing
  - Testing AngularJS application