Prerequisites for the Training:

Knowledge required on,

- JavaScript
- Web Application Development (HTML, CSS)

Learning Objectives:

Understanding AngularJS and its essential features.
Where and how to apply this new technology.

Training Duration:

Level: Intermediate / Advanced
Class room: 3 days (Including Hands on sessions)

Course Content - Day wise

Day - 1

- Angular JS Intro

  - What is Angular JS?

  - Anatomy of an Angular.js Applications

  - Introduction to MVC

  - AngularJs Features, Where to download and How to install, Required Tool to develop?

- Angular JS Architecture, Life cycle
- Modules, Controllers, Directives, Model
- Templates and Data Binding (one way & two way) + sample demo to demonstrate these features
- Expressions

- Angular Forms and Form Validation

  - Handling Forms
  - Forms Validations
  - $valid and $error
  - sample demo to demonstrate these features

Day 2

- *Using Filters*
  - o *Filters Overview*
  - o *Standard filter*
  - o *Building custom Filters*
  - o *(custom filter, orderBy, limiteTo) + sample demo to demonstrate these features*
- *Directives*
  - o *Directives Overview*
  - o *Built in directives*
  - o *Creating Directives*
  - o *Compilation and Linking*
  - o *Creating Components*
- *Dependency Injection (dynamic injection, using $provider)*
  - o *Services Overview*
  - o *Modularity using Services*
  - o *How to use and inject custom service*
  - o *Service vs factory*
  - o *The Service Provider*
    - ▪ *Mocking out your Service during testing*
  - o *The Factory Provider*
    - ▪ *Testing your Factory*
  - o *The Provider recipe*
  - o *Creating Custom Factories and Providers*

- *Views, Multiple views and Routing*

  - o *Configuring routes*
  - o *ngRoute, ng-view, ng-template, $routeParams in controller,*
  - o *Sample demo on Multiple views*
- *Communicating with Servers*
  - o *Communicating over $http*
  - O *Configuring the requests*
  - O *Caching Responses*
  - O *Using RESTful Resources*
  - O *Using $resource Service*

- *Events*
    - o *Scope Events*
    - o ==*Registering Event Listeners*==
    - ==o== ==*Broadcasting down an event*==
    - ==o== ==*Emitting up an event*==

Day 3

- *Animation*

    - o *Directives Support*
    - o *How they work*
- *Multi Lingual Development*
    - o ==*Localization Support*==
    - ==O== ==*Internalization Support*==
- *Security and Accessibility*
    - o *Securing an AngularJS application*
    - O *Accessibility Support*

- *Angular JS – Deployment*
    - o *using ==grunt / gulp task== to build package*
    - o ==*minify the JavaScript and CSS)*==
    - o *packaging and deployment on prod*
- *Working with Tools like ==Grunt, Bower,== npm etc*
- *AngularJS best practices*
    - o ==*Dos and Don'ts while implementing AngularJS*==

- *Angular JS Unit testing*
    - o *Working with Jasmine*
- ==*Intro and links for End-to-end testing*==
- ==*Supportive links for future use*==

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