

# Learn AngularJS from the masters

 /envisioninstitute

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AngularJS is a open source technology maintained by Google for the simplification of developing and maintaining web based application in the client side Model View Controller (MVC) architecture.

This course is designed for professionals working in the field of Web Application Development.

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## Syllabus

### • Introduction

Introduction, JavaScript basics, Why AngularJS? Architecture of AngularJS, Demo: Hello World!

### • Let's get started with basic stuff!

Introduction, Creating Server, Controllers, Scope, Controllers and scope (Demo), Display repeating info, Event handling, Directives (Built in), Event directives, Other directives I, Other Directives II, Expressions, Filters, Built in filters, Custom filters, Two way binding (Demo), Validation

### • Services

Angular Services, Ways to define the services: Provider, Factory, Service, Constant and Value, Creating custom service, Asynchronous execution, Promise and Deferred, Built in Angular Services, Using **\$http** service, Using **\$q** service along with **\$http**, Using **\$resource** service, Using **\$anchorScroll** service, Using **\$cacheFactory** service, Using **\$compile** service, Using **\$sparse** service, Using **\$locale** service, Using **\$timeout** service, Using **\$exceptionHandler** service, Using **\$filter** service, Using **\$cookieStore** service, Other **less common Angular services**

### • Routing

Introduction to Routing, SPA (Single page application), Defining routes and default route, Angular routes, Browser history, HTML5 mode, Adding default route, Parameters in route, Using **\$route** service, Using **\$routeParams** service, Templates, Resolve, Using **\$location** service

### • More on Angular directives

Use of directives, Creating customer angular directive, Isolating directive scope, Event handling with directives, Listen and respond to changes, Controllers in directives, Sharing Controllers in directives, Priority and Terminal, Using Require in Nested Directives, Transclusion, Using Compile for DOM

### • Animation

Introduction, CSS transitions and animations, JavaScript animations

### • Testing

Testing Controller, Testing Service, Testing Ajax Services, Testing Filters, Testing Directives

**Duration: 32 hrs.**

**Pre-requisites:** Good knowledge of HTML, JavaScript and HTTP

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