

# Deccansoft Software Services

(A Microsoft Learning Partner)

## AngularJS Syllabus

### Module 1: Introduction

In this module you will learn brief introduction to angular js and MVC pattern i.e. used in angular. And you will learn how to setup angular framework in local environment. You can also learn how to create your first application using angular framework.

- ❖ Introduction to AngularJS
- ❖ MVC Architecture
- ❖ Conceptual Overview
- ❖ Setting up the Environment
- ❖ First Application
- ❖ Understanding ng attributes

### Module 2: Expressions and Data Biding

In this module you will learn what expressions are and how to do data binding using angular framework.

- ❖ Number and String Expressions
- ❖ Object Binding and Expressions
- ❖ Working with Arrays
- ❖ Forgiving Behavior
- ❖ Understanding Data binding

### Module 3: Working with Directives

In this module you will learn how to make use of built-in elements of angular i.e. directives ( core, conditional, styles, event).

- ❖ Introduction
- ❖ Core Directives
- ❖ Conditional Directives
- ❖ Styles Directives
- ❖ Mouse and Keyboard Events Directives

### Module 4: Controllers

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In this module you will learn about \$scope context and controllers (i.e. the place where you can write your business logics).

- ❖ Understanding Controllers
- ❖ Programming Controllers & \$scope object
- ❖ Adding Behavior to a Scope Object
- ❖ Passing Parameters to the Methods
- ❖ Having Array as members in Controller Scope.
- ❖ Nested Controllers and Scope Inheritance.
- ❖ Multiple Controllers and their scopes

### Module 5: Filters

In this module you will learn how to cast your values from one type to other using built-in filters. And you will also learn how to create your custom filters.

- ❖ Purpose of Filters
- ❖ Built-In Filters
- ❖ Uppercase and Lowercase Filters
- ❖ Currency and Number Formatting Filters
- ❖ OrderBy Filter
- ❖ Filter Filter
- ❖ Creating Custom Filter

### Module 6: Forms

In this module you will learn how to deal with forms and its controls using angular framework, you will learn how to perform validations using HTML5 attributes (minlength, maxlength, pattern etc...) and how to make use of javascript events.

- ❖ Using Simple Form
- ❖ Working with Select and Options
- ❖ Input Validations
- ❖ Using CSS classes
- ❖ Form Events
- ❖ Custom Model update triggers
- ❖ Custom Validations

### Module 7: Modules

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In this module you will learn what are modules and why they are used.

- ❖ Why Module?
- ❖ Module Loading and Dependencies
- ❖ Recommended Setup of Application
- ❖ Creation vs Retrieval.

### **Module 8: Services**

In this module you will learn about services and Dependency Injection (DI).

- ❖ Understanding Services
- ❖ Developing Creating Services
- ❖ Using a Service
- ❖ Injecting Dependencies in a Service

### **Module 9: Ajax in AngularJS**

In this module you will learn how to use built in services of angular framework and ajax implementation using \$http and \$q services.

- ❖ \$http Service
- ❖ \$q Service
- ❖ Ajax Impl using \$http and \$q Service

### **Module 10: Routing**

In this module you will learn and introduction to SPA (Single page application) and how to perform routing in angular framework.

- ❖ Introduction to SPA
- ❖ Creating HTML Templates
- ❖ Configuring Route Provider.

### **Module 11: Using AngularJS and ASP.NET MVC Web API performing CRUD Operations.**