App Development using AngularJS

Course Contents:

1   **Introduction**
- Structure to understand
- Set Up Development Environment

2   **Architectural design patterns**
- MVC& MVVM pattern
- Controller
- Model
- View

3   **First AngularJS App**
- Introduction
- Using AngularJS
- Applying Angular JS to the HTML file
- Hello World App
- Round Trip and Single Page Applications

4   **Built-In Directives, Filters and Events**
- Data Binding and expression
- Inbuilt Directives
- Angular Events
- Handling Events
- Iterating Over Data
- Working with Filters
- Sorting and Formatting Data

5   **Views, Module and Controllers**
- Role of Module
- Creating and working with modules
- Working with Scope
- Dependency Injection in Angular
- Role of Controllers
- Adding a Controllers to a Module

6   **Application Structure, templating and Routing**
- Application Directory Structure
- Routing Overview
- Configuring Routing
- Ng-view Directive

7   **A real Application**
- Creating Application Skelton

- Creating Multiple Views
- Creating Partial Views
- Adding Navigation
- Adding Data
- Appling Bootstrap for styling

8   Angular Form

- Form directives
- Angular Form validation

9   Custom Directive and Filters

- Creating Custom Filters
- Transclusion
- Creating Custom Directives
- Creating Complex Directives

10   Working with Services and Factory

- Creating Services
- Built-In Services
- Working with Ajax and Promises
- Consuming the Promises
- Working with Rest
- Route and URL Services

11   UI and Animation

- Animation in Angular
- Working ngAnimation Module

12   Services for Testing

- Working with Karma and Jasmine
- Understanding the Mock Objects
- Testing a Controller
- Using a Controller
- Using the Mock Objects