



## **ANGULAR JS**

**Duration – 4 Months**

### **Introduction to Angular**

- Angular 8 v/s 7 v/s 6 v/s AngularJS
- Setup of NodeJS and Angular
- NodeJS Introduction (NPM)
- Angular CLI
- Difference between Typescript and JavaScript
- How does Angular get started?
- First Angular App

### **Components Overview**

- Introduction to Components
- Creating components
- Role of App Module & Component Declaration
- Registering Components
- Using Registered Components
- Creating Components with CLI
- Multiple components & passing data
- Nesting Components
- Working with Component templates
- Working with Component Styles
- Understanding Component Selector

### **Data binding and Event Binding, Directives**

- Introduction to Modules & Data binding
- What is Interpolation
- Property & Event binding
- Attribute Binding
- Class Binding
- Style Binding
- Two Way Data Binding
- Binding to Custom Properties
- Splitting Apps into Components
- Property & Event binding overview
- Binding to Custom Properties
- Binding to Custom Events
- Assigning an Alias to Custom events
- Custom Property and Event Binding Summary
- Understanding View Encapsulation



- Using Local References in Templates
- Getting Access to the Template & DOM with @View
- Child
- Projecting Content into Components with ng-content
- Understanding the Component Life cycle
- Using ngIf to Output Data Conditionally
- Enhancing ngIf with an Else Condition
- Output Lists with ngFor
- Applying CSS Classes Dynamically with ngClass
- Creating Basic Attribute Directive
- What is ngSwitch?

### **Services & Dependency Injection, Routing Concept**

- Introduction to Dependency Injection
- Why do we need Services?
- What is Routing?
- Why do we need a Router?
- Setting up and Loading Routes
- Navigating with Router Links
- Understanding Navigation Paths
- Styling Active Router Links
- Passing Parameters to Routes
- Fetching Route Parameters

### **Transport Output using Pipes**

- Introduction to Pipes
- Why are Pipes useful?
- Using Pipes
- Parameterized Pipes
- Chaining Multiple Pipes
- Creating a Custom Pipe
- Parameterizing a Custom Pipe



### **Making HTTP Requests, Http Client**

- Introduction to Http Requests
- How HTTP Requests Work in SPAs
- Sending Requests
- Introduction to Http Client
- Unlocking the Http Client
- Request Configuration & Response
- Requesting Events

### **Forms and Validation**

- Template Driven Forms
- Reactive Forms

### **Project**