Angular Course Syllabus

Course goals: Angular is one of the most popular Front-end frameworks out there today and is being used in many large and popular web sites. There is a good reason why Angular is so popular and it's not only because it's being pushed forward by Google, but also because of its many strong and easy to use capabilities. In this course we will cover Angular needed basics as well as what's new in Angular6, such as Angular-CLI, Angular components, new RxJS, Web components, Lazy loading and much more.

Course Duration: 40Hrs

Pre-requisite:

- Basic Knowledge on HTML,CSS,BOOTSTRAP,JAVASCRIPT

Syllabus

- **HTML,CSS,BOOTSTRAP,JAVASCRIPT (Add-On)**
- **ES6**
  - Module
  - Classes
  - Variable declaration
  - Arrow Functions
  - Template Strings

- **TypeScript**
  - Type safety, inference and intellisense, Interfaces,Decorators

- **Angular-CLI & project structure**
  - Creating a new project
  - Project settings
  - bootstrapping
  - Building and serving
  - Component-based architecture
  - Generating project elements
  - Root Angular Module

- **Angular Components**
  - Component definition
  - Component types
  - Template syntax
  - Data, property and event binding
  - Using directives and pipes
  - Inputs & Outputs (events)
  - Component style

- **Advanced Components**

  - Data projection, building a wrapper component
  - Querying view and children
  - Dynamic components

- **Providers and Dependency Injection**

  - Understanding the role of the Provider
  - Understanding the injector tree
  - Creating and using a class provider (service)
  - Other provider strategies
  - Configuring providers
  - Observables and RxJS
  - Subscription
  - RxJS Operators
  - Creating Subjects and Observables

- **Angular Router**
  - Setting up the router
  - Navigation
  - Child routes
  - Routing params
  - Lazy loading

- **Hooks and LifeCycle**

- **Pipes**
  - Sync and async Pipes
  - Built-in Pipes
  - Writing your own pipes

- **Angular Forms**
  - Template-driven forms
  - Reactive forms
  - FormBuilder
  - Form validation
  - Custom validators
  - Async validators

- **HttpClient**

  - Http requests (GET, PUT, POST)
  - Configuring headers
  - Interceptors
  - Progress events

- **Angular with Node and MongoDB**

- **Animations and unit testing**

- **Understanding Redux, Effects and Facades**

ALL THE BEST