**Angular 8 Training Course Contents**

**Introduction**

* What Is Angular?
* Angular Versions Explained

**Setup & File Structure**

* Environment Setup
* Using Angular CLI
* Angular File Structure
* An Intro to TypeScript

**Diving into Components**

* Components Explained
* Creating a Component
* Properties & Methods
* String Interpolation
* Using Types
* Cleanup & Interfaces
* Generating Components & OnInit

**Template Syntax**

* Loops With ngFor
* Conditionals With ngIf
* Adding Bootstrap
* Property Binding
* Class Binding & ngClass
* Style Binding & ngStyle
* Pipes & ngNonBindable
* Component & Template Clean Up

**Events & Forms**

* Mouse Events & Manipulating State
* Toggling Values with an Event
* Keyboard & Input Events
* ngModel & 2 Way Data Binding
* Component Clean Up
* Template Driven Forms – Validation
* Template Driven Forms – Submission
* Reactive forms – Validation
* Reactive forms - Submission

**Angular Material**

* Introduction
* The component library
* Basic usage of components
  + Form Controls
  + Buttons
  + Navigation
  + Layout

**Services, Http, Input & Output**

* What is a Service?
* Creating a Service
* Working with Observables
  + Basic Usage
  + Defining Observables
  + Subscribing
  + Creating Observables
  + Operators
  + Creation Operators
  + Transformation Operators
  + Filtering Operators
  + Combination Operators
  + Multicasting Operators
  + Error Handling Operators
  + Utility Operators
  + Conditional and Boolean Operators
  + Mathematical and Aggregate Operators
* HTTP Client Setup & GET Request
* HTTP Client POST Request
* Event Emitter & Output
* Input & Edit State
* HTTP Client PUT Request
* HTTP Client DELETE Request

**Angular Router**

* Angular Router Overview
* Create App Routing Module
* Creating & Mapping Routes
* Linking to Routes
* Params & ActivatedRoute

**Angular Features Modules**

* Bootstrapping
* JavaScript Modules vs. NgModules
* Frequently Used Modules
* Lazy Loading Modules with the Angular Router
* Providers
* Types of Feature Modules

**Angular 8 Features**

* Support TypeScript 3.4
* Support Web Workers
* Preview of Ivy and Bazel
* Lazy Loading
* Improvement of ngUpgrade