

# **Angular Fundamentals**

**Modality: On Demand**

**Duration: 12 Hours**

## **About this Course:**

Angular is one of the fastest-emerging TypeScript & JavaScript Application Development Framework and professionals having familiarity with its applications are always in high demand. Professionals also get to learn about configuring the development environment for designing & developing Angular Application and this course also focuses on the key concepts of installing Node JS, VS Code, Angular CLI, and TypeScript.

This beginner-level course is specifically designed for Web Developers and Programmers who want to nurture the skills and knowledge of working with Angular Framework. This training program provides practical experience to the students who want to become familiar with the working technique and applications of Angular. Professionals will learn to design & develop modern web applications and implement clean & responsive web interfaces seamlessly. Programmers with substantial knowledge of Angular can write codes and programs with a greater degree of simplicity and work across multiple platforms and browsers effectively.

## **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Fundamentals and Essentials of Angular Framework
- Angular Framework Applications and Use Cases
- Adding Functionality to Web Pages with Reduced Coding
- Angular Architecture Applications and Responsive Web Interfaces Implementation
- Angular Best Practices and Techniques
- Supporting REST and JSON Services with the help of Angular with HTTP
- Multiple Tools and Techniques Used to Facilitate Running & Testing of Angular Apps

## **Audience:**

This course is specifically tailored for the following group of professionals and interested candidates:

- Experienced Programmers & Web Developers
- Web Designers
- Quality Analysts
- Front-end Engineers and Developers

## **Prerequisites:**

Professionals planning to enroll in the Angular Fundamentals course must comply with the following

prerequisites:

- Fundamental Knowledge of HTML
- Basic Understanding of CSS
- Conceptual Understanding of JavaScript
- Minimum 2 to 3 years of Practical Experience with Web and Application Development

## Course Outline:

### Setting Up Your Angular App

- Introduction to Angular
- Introduction to TypeScript
- Introduction to Angular CLI
- Labs Overview And Config
- Tutorial Lab Install Visual Studio Code
- Tutorial Lab Installing Prerequisites
- Tutorial Lab Using the Angular CLI
- Module test

### Modules And Services

- Module Syntax
- Dependency Injection
- Introduction to httpClient
- Services
- Labs Overview And Config
- Tutorial Lab Creating Interfaces
- Tutorial Lab Creating Services
- Tutorial Lab Using HttpClient
- Self Assessment Lab 2
- Module test

### Components And Directives

- Components
- Binding Data to Templates
- Pipes
- Built In Directives
- Lifecycle Methods
- Labs Overview And Config
- Tutorial Lab Creating A Component
- Tutorial Lab Creating Templates
- Tutorial Lab Built In Pipes And Directives
- Self Assessment Lab 3
- Module test

### Routing

- Routing
- Route Parameters
- Labs Overview And Config
- Creating Routes and Links
- Using Route Parameters
- Self Assessment Lab 4
- Module test?