

Angular 12

Overview: Angular 12 is a great **UI** (User Interface) library for the developers. Angular is a reusable UI component helps us constructing attractive, consistent, and functional web pages and web application. Angular 12 is a JavaScript framework which makes us able to create an attractive **Single Page Applications** (SPAs).

Angular 8 has entirely based on component and consist of some tree structures with parent and child component. Angular 12 classes are created in such a way that the web page can fit in any screen size so that they are fully compatible with mobiles, tablets, laptops, and large systems.

Course Objectives

- Understand the Angular 12 and technical concepts behind Angular8
- Structure an Angular 12 application in modules
- Understand and use the CLI and CDK
- Understand Routing
- Understand the built-in Directives, Pipes, Data bindings
- Use built-in forms
- Understanding Animations and Modules
- Connect to database

Module 1: - Introduction of Angular 12

- ❖ Angular 12 Introduction
- ❖ History and versions of Angular 8
- ❖ Architecture of Angular 12
- ❖ How to install Angular 12 and set-up it.
- ❖ Creating our first Angular 8 app
- ❖ Angular 12 app loading

Module 2: - Difference between Angular and react

- ❖ Angular vs reacts
- ❖ Angular 12 Advantages Disadvantage
- ❖ Angular 12 file structure

Module 3: - Angular 12 components

- ❖ Components of Angular 12

Module 4: - Angular 12 CLI Commands

- ❖ All CLI commands of Angular

Module 5: - Angular 12 with Bootstrap

- ❖ How to install bootstrap for Angular 12
- ❖ Libraries of Angular 12

Module 6: - Angular 12 Routing

- ❖ Routing

Module 7: - Angular 12 directives

- ❖ Angular 12 Directives
- ❖ Angular 12 ngIf directive
- ❖ Angular 12 ngFor directive
- ❖ Angular 12 ngSwitch directive
- ❖ Angular 12 ngClass directive
- ❖ Angular 12 ngStyle directive

Module 8: - Angular 12 pipes

- ❖ Angular 12 Pipes

Module 9: - String Interpolation in Angular 12

- ❖ Angular 12 String interpolation

Module 10: - Angular 12 forms

- ❖ Angular 12 Forms
- ❖ Data flow of forms in Angular 12
- ❖ Creating forms in Angular 12
- ❖ Testing and validation of forms in Angular 12

Module 11: - Error fixing in Angular 12

- ❖ Error fixing in Angular 12

Module 12: - Dependency injection and services in Angular 12

- ❖ Dependency injection services in Angular 12

Module 13: - Angular 12 Animations

- ❖ Angular 12 Animations

Module 14: - Angular 12 Module

- ❖ Angular 12 Module
- ❖ Deploying an angular 12 app

Module 15: - Introduction of unit testing in angular 12

- ❖ Unit testing in angular 12

Module 16: - Observables in angular 12

- ❖ Observables in angular 12

At the end of the course participants will be able to do some assignments and Mini Project

- ❖ **Blog Web Application**
- ❖ **Shopping Cart Web Application**

