

ANGULAR

MODULE-1 INTRODUCTION TO ANGULAR

- What is Angular?
- Advantages of Angular
- Disadvantages of Angular
- Key Features of Angular
- Comparison between Angular & other frameworks

MODULE-2 INTRODUCTION TO TYPESCRIPT

- Why Use Typescript
- Basic Types
- Classes & Interfaces
- Type Definitions
- Compiling Typescript

MODULE-3 ENVIRONMENT SETUP

- Node/ NPM
- Angular CLI
- Application File Structure
- Code Editors

MODULE – 4 MODULES

- Why use Modules
- Ng Module
- Declarations
- Providers
- Imports
- Bootstrapping
- The Core Module
- Shared Modules

MODULE-5 COMPONENTS

- Introduction to Components
- Components Architecture Pattern
- Decorator Metadata
- State & Behavior

MODULE-6 TEMPLATES

- Inline vs External
- Template Expressions
- Data Bindings
- *ngIf else, *ngFor and *ngSwitch
- Built-in Structural Directives
- Built-in Attribute Directives

MODULE-7 CUSTOM DIRECTIVES

- Create your own Structural Directives
- Create your own Attribute Directives

MODULE-8 PIPES

- Built-in Pipes
- Custom Pipes

MODULE-9 SERVICES

- Introduction to services
- Building a Service

MODULE-10 DEPENDENCY INJECTION

- Introduction to dependency Injection
- Injectors & Providers
- Registering Providers

MODULE- 11 LIFECYCLE HOOKS

- Component Lifecycle
- All Lifecycle hooks

MODULE-12 ROUTING

- The component router
- Defining Router
- Navigation
- Route Params
- Child Routes

MODULE-13 ADVANCED ROUTING

- Route Guard

MODULE-14 TEMPLATE-DRIVEN FORMS

- Introduction to forms
- Template-driven forms
- Validation

MODULE-15 MODEL-DRIVEN FORMS

- Introduction to Reactive Forms
- Form group & form control
- Validators
- Custom Validation

MODULE-16 ASYNCHRONOUS OPERATIONS

- Introduction to Async
- Observables
- Observables vs. Promise
- HTTP Request / Response

MODULE-17 COMMUNICATION BETWEEN COMPONENTS

- @Input()
- @Output()
- @View Child()
- Shared Service

MODULE-18 SERVER-SIDE RENDERING

- Introduction to server-side Rendering
- Angular Universal

MODULE-19 ANGULAR TESTING

- Introduction to testing
- Unit Testing
- Lazy Loading
- Angular Material
- Prime NG Implementation

MODULE-20 THIRD-PARTY NPM PACKAGE

- Social Login Authentication
- Cookies, Local Storage, Session Storage
- Angular File Upload
- Angular Pagination
- JWT Token
- IMPLEMENTATION OF MINI APPLICATION
- DEPLOYMENT OF ANGULAR APPLICATION

