



# **Web Development in Angular**

## **Syllabus**

**Duration: 60 Hours**

### **1. HTML**

- Introduction to HTML
- HTML Tags
- Creating Forms
- Creating tables
- Managing home page

### **2. CSS**

- Introduction to CSS
- Three ways to use CSS
- CSS Properties
- Designing website
- Working with Templates

### **3. JAVA SCRIPT**

- Introduction to Javascript
- Three ways to use Javascript
- Working with events
- Client-side Validation
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### **4. ES6**

- Module
- Classes
- Variable declaration
- Arrow Functions
- Template Strings

### **5. TypeScript**

- Type safety
- Inference and intellisense
- Interfaces
- Decorators

### **6. Angular-CLI & project structure**

- Creating a new project
- Project settings o bootstrapping



- Building and serving
- Component-based architecture
- Generating project elements
- Root Angular Module

## **7. Angular Components**

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

## **8. Advanced Components**

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

## **9. 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

## **10. Angular Router**

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

## **11. Hooks and Life Cycle**

## **12. Pipes**

- Sync and async Pipes
- Built-in Pipes



- Writing your own pipes

### **13. Angular Forms**

- Template-driven forms
- Reactive forms
- FormBuilder
- Form validation
- Custom validators
- Async validators

### **14. HttpClient**

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

### **15. Major Project Work**

#### **16. Placement Assistance Sessions**

- Mock Interviews
- GDs
- Preplacement Talks
- Industry Exposer Sessions

#### **17. Internship**

