Course Name:
Angular
Duration:
5 Full Days / 10 Half Days
Course outline:

Day 1: Introduction to Angular

Overview of Angular framework and its features
Setting up the development environment (Node.js, npm, Angular CLI)
Creating a new Angular project
Understanding the structure of an Angular project
Components and templates in Angular
Data binding and interpolation
Angular directives (ngIf, ngFor, etc.)

Day 2: Angular Components and Services

Creating and using Angular components
Component lifecycle hooks
Communication between components using input and output properties
Introduction to Angular services
Dependency Injection in Angular
Using services to share data and functionality between components

Day 3: Angular Routing and Navigation

Introduction to Angular routing
Setting up routes in an Angular application
Creating and navigating between different routes
Passing data between routes
Route guards for authentication and authorization
Lazy loading modules for better performance

Day 4: Angular Forms and Validation

Template-driven forms in Angular
Form controls, form groups, and form arrays
Form validation and error handling
Reactive forms in Angular
Form validation using built-in validators and custom validators
Handling form submission and data retrieval

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Day 5: Advanced Angular Concepts

Angular pipes for data transformation and formatting
Angular directives (ngClass, ngStyle, etc.)
Angular animations and transitions
Introduction to Angular modules
Using third-party libraries in Angular projects
Deployment options for Angular applications