

# Course Syllabus

Our Angular course is structured to provide a comprehensive understanding of the framework, covering essential topics from basic to advanced concepts:

## **Introduction to Angular**

- Overview of Angular Framework
- Angular CLI and its usage
- Installation and setup of Angular CLI
- Understanding the Angular folder structure

## **Data Binding**

- One-way data binding
- Property binding
- Class binding
- Style binding
- Event binding
- Two-way data binding

## **Components**

- Creation of components
- Utilizing `@Input ()` variables
- Using `@Output ()` variables for event emission

## **Modules**

- Creating modules without Lazy Loading
- Creating Feature Modules with Lazy Loading

## **Angular Pipes**

- Built-in Angular pipes
- Creating and using custom pipes
- Implementing Interfaces with pipes

## **Services**

- Developing custom services
- Utilizing built-in services such as HTTP service for API interaction

## **Forms**

- Working with Template Driven Forms (TDF)
- Implementing Reactive Forms
- Form validation techniques

## **Routing**

- Introduction to Angular routing
- Implementing Route Guards for secure navigation

## **Life Cycle Hooks**

- Explore Angular component lifecycle hooks

## **Observables**

- Introduction to Observables for asynchronous programming

## **Material Design**

- Implementing Angular Material for UI components

## **CRUD Operations (using JSON server)**

- Performing Create, Read, Update, and Delete operations using a JSON server

---

## **Prerequisites**

Basic knowledge of **HTML**, **CSS**, and **JavaScript** is required to get started with this course.