

SOFTCRAYONS
Tech Solution Pvt. Ltd



Practical Training Program Branch - Ghaziabad,Noida

- » Graphic Designing
- » Programming
 - Python - Java - PHP ++
 - C++ - C - Ruby On Rails
 - Perl
- » Web Designing
- » Networking - CCNA
 - CCNP- MCITP - MCSE
 - Hardware
- » CAD- CAM-CAE
 - Autocad for Civil
 - Autocad for Electrical
 - Autocad for Mechanical
 - Catia V5 / Staap PRO/
 - Revit / Revit Structure
 - Revet Architecture / Soliworks
 - PRO E / CREOC(Fr - Designers)
 - 3D Max / Inventor / Ansys / Vray
- » Digital Marketing
- » Android Application
- » Sap - ERP - ABAP
 - Erp Basis / Erp-Bi
 - Erp-Bo / CRM/ HR/HCM / MM
 - PP / Controlling / Hana / SCM
 - Finance
- » Software testing
 - Manual testing
 - Automation - testing
 - QTP - Selenium
- » MS Office
- » Tally With GST
- » 1 Angular Js / 2 Angular
 - 3 Angular / 4 Angular
- » Vmware

Angular 4 Syllabus

Module 1: Introduction

- Course Objectives
- Course Outline
- What is Angular
- Why use Angular

Module 2: AngularJS to Angular 4

- What's Changed
- Semantic Versioning

Module 3: Introduction to Typescript

- Why Use Typescript

- Basic Types
- Classes and Interfaces
- Type Definitions
- Compiling TypeScript

Module 4: ES2015 Primer

- Let and Const
- Template Strings
- Lambda Functions
- Modules

Module 5: Environment Setup

- Node / NPM
- Polyfills
- TypeScript
- Module Bundler (Webpack)
- Code Linting
- Test Setup
- Application File Structure
- Angular CLI
- Code Editors

Module 6: Getting Started

Our First Component

Module 7: Modules

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

Module 8: Components

- Introduction to Components

- Component Architecture Patterns
- Decorator Metadata
- State & Behaviour
- Inputs and Outputs

Module 9: Templates

- Inline vs External
- Template Expressions
- Data Bindings
- Built-in Structural Directives
- Built-in Attribute Directives

Module 10: Custom Directives

- Types of Directive
- Create your own Structural Directive
- Create your own Attribute Directive

Module 11: Pipes

- Built-in Pipes
- Custom Pipes

Module 12: Services

Module 13: Dependency Injection

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

Module 14: Lifecycle Hooks

- Component Lifecycle
- Using ngOnInit
- All lifecycle Hooks

Module 15: Change Detection

- What is Change Detection

- Zone.js
- Module 16: Routing
- The Component Router
- Defining Routes
- Navigation
- Route Params
- Child Routes

Module 17: Advanced Routing

- Route Guards
- Route Resolves

Module 18: Template-driven Forms

- Introduction to forms
- Template-driven forms
- Validation

Module 19: Model-driven Forms

- Introduction to 'Reactive' forms
- Form Group & Form Control
- Validators

Module 20: Asynchronous Operations

- Introduction to Async
- Promises
- Observables
- Async Pipes
- HTTP Request / Response

Module 21: Advanced HTTP

- Headers & Request Settings
- Providing HTTP

Module 22: Component Styling

- Introduction to Angular Styling
- Component Styling
- Shadow DOM

- Loading Styles

Module 23: Animation

- Introduction to Animations
- State & Transitions
- Animatable Properties
- Keyframes

Module 24: Testing

- Introduction to Testing
- Unit Testing
- E2E Testing

Module 25: Security

- Security in Angular
- Sanitization
- Trusting Values
- Cross-site Request Forgery

Module 26: Internationalization

- Pre-compiled and runtime
- Using ng2-Translate

Module 27: Performance

- Change Detection Strategy
- Running outside the Zone
- Web Workers

Module 28: Optimization & Deployment

- Precompiling (AoT)
- Lazy Loading
- Deployment Best Practices
- Production Mode

Module 29: Upgrading from AngularJS 1.X to Angular 2+

- Introduction to Upgrading

- Project Preparation
- Upgrade Adapter

Module 30: Native Applications

- Introduction to Native
- Cordova
- Ionic
- React Native
- NativeScript
- Progressive Web Apps
- Electron

Module 31: Server-side Rendering

Introduction to Server-side Rendering

Angular Universal

Module 32: Conclusion and Resources

Deployment

1. Deploying using Github
2. Angular2 Hosting Options
3. Hosting Angular App on cloud server Heroku

Batch Timings –

Days	Class Duration	Course Duration
Monday-Friday	2 Hours	1 Month
Saturday & Sunday	3 Hours	1.5 Months
Sunday	4 Hours	2 Months

Regards,

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