



POWERED BY 3RI TECHNOLOGIES

# Angular Training

Best Web Technology

A Google Product



# About Us

3RI is an Advanced Technology Education Platform providing advanced and professional training in latest technologies that helps freshers and professionals rise to the advanced skills requirements of the current industry.

Powered by 3RI Technologies, these classroom training sessions are industry oriented courses on Python, Angular, Java, Web Development & Software Testing by top class faculty who has more than 7+ years of experience in the same domain.

The curriculum is designed by industry experts, who has real time scenario based exercise and case studies and projects using database from companies like Walmart, Amazon, Google, etc. This training is supported with teaching assistance which allows individuals to develop hands.

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# Faculty

Our Top-class faculty are experienced working professionals working in senior positions of top-tier companies like Infosys, TechMahindra, TCS, Cognizant, Google, Microsoft, etc.

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# Subjects & Tracks

## What Makes 3RI Different ?

3RI Curriculum is based on real time industry approach, they are short and practical oriented to learn the concepts in fast pace with implementation skills.

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# CURRICULUM



## BASICS OF ANGULAR

Typescript, Application setup,  
NodeJS, Architecture, Directives

## PROJECT DEVELOPMENT WITH LIVE SCENARIOS

ICONIC 3 Mobile App Development  
with Angular

## ADVANCED ANGULAR

Data Binding, Display data, User  
input, Form, Pipes, Router, Angular 4,  
Angular 5

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# Angular Basic & Advanced

## 1. Getting Started

- Introduction
- What is Angular ?
- How Angular Works ?
- Difference between Angular and Other Framework
- Advantages of AngularJS

## 2. Typescript

- What is typescript?
- Compare typescript with Javascript
- Data Types & Variables
- Variable & Operators
- Control Structure and Decision making & loops
- Typescript Functions & Strings
- Typescript Object
- Class , Abstract Class
- Constructor Method
- Type of Assertion
- Interfaces

## 3. Application setup

- Installing Angular JS
- Configuration of Angular JS
- Creating an Angular 2 project
- Creating an Angular 2 project using CLI

## 4. NodeJS

- Setup
- Commands
- What is NPMM
- Install Npm for Angular.

## 5. Architecture

- Module
- Component
- Template
- Metadata
- Data binding
- Directive
- Attribute Directive
- Structural Directive
- Services
- Dependency Injection



# Angular Basic & Advanced

## 6. Directives

- Understanding Directives
- Directives Overview
- Different kinds of directives
- Build attribute directive
- Apply the attribute directive to an element in a template
- Respond to user-initiated events
- Pass value into the directive with an @Input data binding
- Custom Attribute Directive

## 7. Structural And Attribute Directive

- What is structural directive?
- NgIf case study
- NgFor,NgSwitch
- What is attribute Directives
- Using the NgStyle Directive
- Using the NgClass Directive
- The <'template'> element

## 8. Service

- What is service?
- Create a service
- Understanding Services Injecting Concepts
- Async service and promise
- Introduction to Observable
- What is web service
- how to create web service
- how to consume rest service
- posting data to client server architecture
- Introduction to Material Design
- Introduction to card Material Design .
- What is Json Server .
- Install json server and run and up into your local machine
- crud operation using son server.

## 9. Dependency Injection

- Why dependency injection?
- Angular dependency injection
- Injector provider





# Angular Basic & Advanced

## 10. Data Binding

- Interpolation
- Property binding
- Event binding
- Attribute binding
- Class binding
- Style binding
- Multiple components & passing data

## 11. Display Data

- Class Binding
- Style Binding
- Event Binding
- Two-way Binding
- Component Data Binding
- Component Events
- Ng-Model

## 12. User input

- Binding to user input events
- Get user input from the \$event object
- Get user input from a template reference variable
- Key event filtering (with key.enter)

## 13. Form

- Types of Forms in Angular4
- Introduction to Template Driven Forms.
- Validation of Template Driven Forms.
- Introduction Model Driven Forms.
- Validation of Model Driven Forms.
- Two way data binding using ngModel.
- Model Driven Forms With Form Builder
- How to post data via a angular forms with rest service.

## 14. Pipes

- Introduction to Pipes
- Why pipes are useful.
- Type of pipes
- Built-in pipes
- parametrised pipes
- how to create custom pipes

## 15. Router

- Setting Up Router
- Imperative Routing
- Route Parameter
- Child Routing



# Angular Advanced

## 16. Angular4

- Features of angular 4
- Animation package
- Angular Universal
- Typescript 2.1 and 2.2 compatibility
- Flat ES Modules (Flat ESM/FSEM)
- Upgrading from angular 2 to 4

## 17. Angular 5

- What is new in Angular 5?
- Introduction to Build optimizer.
- New Router Lifecycle Events in Angular 5
- Service Workers in Angular 5
- Deprecations and Other Updates

# Iconic 3 for Mobile App using Angular

- Installing the Ionic 3 CLI
- Creating a New Project with the Ionic 3 CLI
- Listing Project Templates
- Running our Project in the Browser and on a Device
- Using Live Reload on a Device
- Generating Project Components with the Ionic CLI
- Getting Environment Information with Io
- Accessing the Ionic Documentation
- Creating an Ionic.io Account
- Authenticating to Ionic.io Within the CLI
- Creating an Application on the Ionic.io Platform
- Using Ionic View to Run Your Application on a Device
- Generating Splash Screen and Icon With the CLI-
- Getting Started with Ionic 3
- Creating an Ionic Application
- Serving the Application
- Folder Structure, First Application
- Ionic Document Flow
- Challenge - Create an Ionic Application
- Run Your Application in a Browser



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# PLACEMENT SUPPORT



Placement at Our  
Client's Location



Interview  
Preparation



Resume Workshop  
by Experts



Real World Application  
Integration in Resume



Exclusive Sessions  
from Experts

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# FAQ'S

## ● **Do I need to purchase any Software ?**

No, we provide necessary installation guides of the software required.

## ● **What are the specific System Requirements ?**

8GB RAM, 500GB Hard disk (i3 Processor).

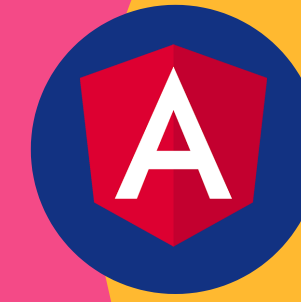
## ● **What are Projects ?**

Projects are real world datasets from companies like Nike, Yelp, Amazon, Netflix etc. that are provided to our students.



# Who We Are?

## The Presenters



**ABHISHEK SIR**

MENA STACK Developer



**VARUN SIR**

Angular, Node Expert



**SUNAYANA MA'AM**

UI Developer

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Have any questions or  
suggestions?

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