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ABOUT FITA ACADEMY

FITA is a leading Skill development and Placement company managed by IT veterans with more than two decades of experience in leading MNC companies. We are known for our practical approach towards trainings that enable students to gain real-time exposure on competitive technologies & Foreign Languages.

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"Velammal Knowledge Park", Chennai - Kollattai Highway, Ponnani - 601204



OUR STUDENTS WORKS AT:



Type Script

TypeScript Framework

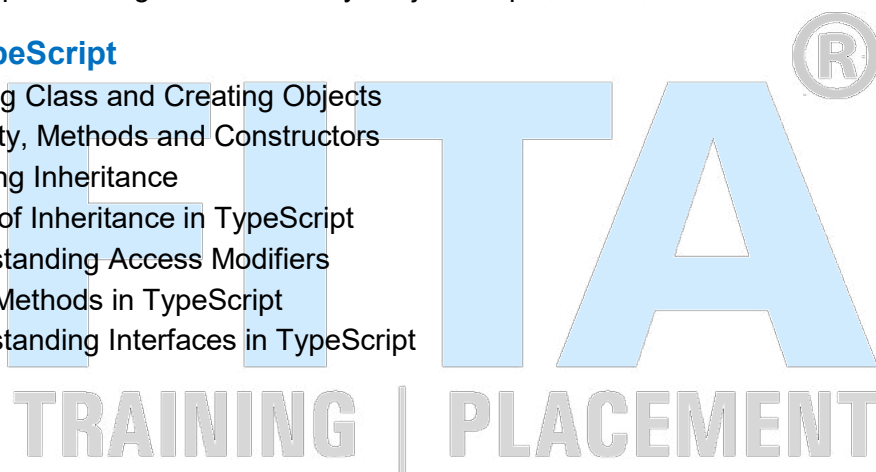
- Introduction to TypeScript
- Advantages of TypeScript
- Overview of Node and Node Environment Setup
- Installing and Configuring TypeScript Engine
- Understanding Transpilation

TypeScript Variables and Data types

- Declaring and Defining Variables
- About “any”
- “var” Vs “let” keywords
- Static and Dynamic Type
- Data types : String, Number, Array, Object, Tuple, Enum, Void and NULL

OOPS in TypeScript

- Defining Class and Creating Objects
- Property, Methods and Constructors
- Handling Inheritance
- Types of Inheritance in TypeScript
- Understanding Access Modifiers
- Static Methods in TypeScript
- Understanding Interfaces in TypeScript



Programming with Angular 13

Introducing Angular 13

- What is Angular
- Advantages of using Angular
- Understanding Differences between a Framework and a Library
- Understanding Single Page Applications (SPA)
- SPA Vs. Traditional Applications
- Understanding the MVC Architecture
- MVC in Client and Server Side
- Elements of Angular
 - Modules
 - Data Binding Directives
 - Templates
 - Metadata

- Services
- Dependency Injection
- Angular Components

Angular 13 - Environment Setup

- Installing Node.js and understanding Node Package Manager (NPM)
- What is Angular CLI
- Advantages of using Angular CLI to manage Projects
- Installing Angular CLI
- Create a Angular App with CLI
- Angular Application File Structure
- Executing Angular Application
- Code Linting
- Installing and Understanding Webpack

Angular 13 Modules

- Understanding Angular Modules
- When to use Angular Modules
- Understanding NgModule
- Understanding Root Modules, Feature Modules, Shared Modules
- Using Providers, Managing Imports
- Bootstrapping Angular Application

Angular 13 Components

- Understanding Components
- Understanding Components Structure
- Components Interaction and Component Lifecycle
- Using ngOnInt
- Exploring All Lifecycle Hooks
- Understanding Change Detection
- Working with Zone.js
- Working with Component Decorator and its Meta data
- Passing Data between Child and Parent

Angular 13 Data and Event Bindings

- Understanding Data Binding
- Explaining Two-way Data Binding
- Working with Style Binding and Class Binding
- Understanding and Exploring Event Binding
- Element Reference and Event Filtering

Angular 13 Directives and Custom Directives

- What is Directives in Angular?
- Understanding Different types of Angular Directives
- Structural Directives Vs. Attribute Directives
- Exploring all the Angular Structural and Attribute Directives
- Creating Custom Attribute Directives
- Creating Custom Structural Directives
- Writing Attribute Directive Code
- Respond to User Initiated Events
- Pass and Receive property values

Angular 13 Pipes

- Understanding Pipes in Angular
- Uses of Pipes
- Parameterizing Pipes
- Pipes Vs. Directives
- Exploring Pipes : Uppercase, Lowercase, Number, Percent, Currency, Date, Slice, Json
- Difference between Pure Pipes and Impure Pipes
- The PipeTransform Interface
- Chaining Pipes
- Creating Custom Pipes

Angular 13 Services and Dependency Injection

- Understanding Services
- Purpose of using Services
- Creating Services in Angular
- Overview of Singleton Object
- Understanding Dependency Injection
- Injectors and Providers
- @Injectable() and Hierarchical DI

Angular 13 Routing and Advanced Routing

- Understanding the Essentiality of Routing
- Configuring and Defining Routing in Angular Application
- Understanding the Routing Parameters
- Understanding Static and Dynamic Routes
- Passing and Fetching Route Parameters
- Creating Child Route

Angular 13 Template Driven Forms

- Introduction to Forms
- Overview of Template Driven Forms

- Setting up Forms in Angular and Forms Control
- Understanding ngForm
- Accessing Form Values and setting default form values
- Understanding Various Form States
- Form Validations
- Form Groups and Form Control Class
- Understanding One Way Data Binding in Angular Forms

Angular 13 Reactive Forms

- Understanding Reactive Forms
- Template Driven Forms Vs. Reactive Forms
- Reactive Form Control and Sync View
- Dynamic Validations in Reactive Forms
- Getting Reactive Form Values

Angular 13 Asynchronous Operations and Advanced HTTP

- Understanding Event Emitter
- Transferring Data with Event Emitter
- Creating Custom Events and Trigger
- ng-content and ng-container
- Introduction to Async
- Understanding HTTP mechanism
- Handling HTTP Request and Response
- Introduction to Observable and Observer
- Call back Methods in Observable
- Creating Custom Observable
- Connecting backend and APIs

Angular 13 Authorizations

- Understanding Client side Authorization and Server Side Authorization
- Creating Guard in Angular
- Understanding Route Guard
- Setting up Route Guard
- Understanding HTTP Interceptors

Angular 13 Animations

- Introduction to Animations
- Animations Setup
- Understanding States & Transitions
- Entering and Leaving from States
- Animatable Properties
- Animatable Units
- Automatic Property Calculations

- Understanding Animation Timing
- Multistep Animation using Keyframes

Testing Angular 13 Applications

- Introduction to Testing
- Unit Testing
- Setup Jasmine Framework
- Basics to Test Components
- Components Test Scenarios
- Introduction to Karma
- E2E Testing and Protractor

Angular 13 Security and Internalization

- Importance of Security
- Security in Angular
- Sanitizing the Dangerous Value
- Trusting Values
- `bypassSecurityTrustHtml`
- `bypassSecurityTrustScript`
- `bypassSecurityTrustStyle`
- `bypassSecurityTrustUrl`
- `bypassSecurityTrustResourceUrl`
- Cross-site Request Forgery
- Pre-Compiled and runtime
- Using ng2-Translate

Angular 13 Performance, Optimization and Deployment

- Change Detection Strategy
- Understanding Web Workers
- Precompiling (AoT)
- Lazy Loading
- Deployment Best Practices
- Production Mode

Real Time Project with Angular 13