# Certified Software Developer Advance (ANGULAR)

Angular, a widely popular JavaScript framework, is designed for building dynamic and interactive HTML applications with ease of learning.

GSDC
Global Skill Development Council
CSD
ANGULAR
CERTIFIED

# Certified Software Developer Advance (ANGULAR)

## ABOUT CERTIFICATION

It offers developers a simple and effective approach to develop single-page web applications that are highly responsive. The platform is scalable, catering to the needs of both single-developer projects and enterprise-level applications.

GSDC Certifications are an excellent opportunity for software development professionals to gain in-depth knowledge of writing high-quality code that can pass tests quickly, be deployed, and is easily maintainable and usable across various applications. Earning a GSDC certificate demonstrates your ability to deliver complex software projects, allowing you to achieve your career aspirations.

## OBJECTIVES

1. To know the working understanding of software development.
2. To know the tools and best practices in software development.
3. To enhance your programming and technical skills.
4. How to write error-free code.
5. How to test and debug software and web application.
6. Use of the latest tools and concepts in application development.

## Our Accreditation:

The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member.
The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

The Global Skill Development Council (GSDC) is the leading third-party, vendor-neutral, Intern-ational credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ABICB accredited member.Accreditation Board For Inter- national Certification Bodies's accrediation is globally recognized as the highest certificati- on for training institutes as it is an independent autonomous body

# COURSE SYLLABUS

## 1. Introduction to Angular Programming
- Introduction to new features & next generation JS
- What's new in ES6 & 7
- Webpack Fundamentals
- Using let & const
- Using arrow functions
- Template literals
- Class & modules in JS
- Understanding promises & callbacks
- Npm basics & commands
- Typescript fundamentals

## 2. Components , Commands and Environment
- Introduction to Angular
- Difference between AngularJS (1.x) & Angular
- What's new in latest version
- Environment setup in Angular
- Understanding Angular CLI & its usage
- New commands in cli
- Creating & using components
- Understanding different bindings in Angular ? Interpolation
- Property
- Events
- Different types of components
- Dumb components
- Smart components
- Component Interactions ? Input
- Output
- Pipes
- Using built in pipes
- Creating custom pipes
- Decorators

## 3. Angular's Dependency Injection
- ? Using Angular's InjectionToken
- ? Using Angular's @Inject Decorator
- ? The useClass Provider
- ? The useExisting and useFactory Providers

## 4. Forms
- Template forms
- Reactive forms
- Dynamic forms
- Form validations
- Custom form validations
- Custom Directives

## 5. Types of Services
- Promise
- Observable
- Server communication using http services
- Introduction to new rxjs library
- Data sharing using services
- Authentication example using OAuth 2.0
- Testing in Angular

## 6. Taking an Angular App to Production
- Linting Overview
- Installing TSLint in VSCode
- Using TSLint with VSCode
- Linting from the Command Line
- Angular's Ahead of Time Compiler
- Creating First Build
- The Effects of Prod Mode
- Optimistic Bundle Downloading
- ? SPA using angular router
- Defining routes & nested routes
- Passing route parameters

# GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

## Our Future Information
## **Target Audience**

GSDC Certification is for all those who want to prove they can apply their core Java developer skills into real-life projects.

Examples of typical job titles with 3-5 years of experience:

- Senior Software Developer
- Senior Software Engineer
- Senior Web Developer
- Senior Android Developer
- Senior Front-end Developer
- Senior Full-Stack Developer

**Find out more online at**
**www.gsdcouncil.org**