

About KnapSack

KnapSack is one of the leading e-learning training providers with more than 600 individual learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education. Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Why take up this course?

The demand for these course is at an all-time high, and more than 80% of all companies would adopt this shortly. The average salary of a professional with .Net 6, Angular 14,Azure DevOps and Azure Cloud skills is US\$130,000 per year – Business Insider. People who have skills in both Azure with DevOps have great demand in the marketplace – Indeed Our online training will help you learn .Net 6, Angular 14,Azure DevOps and Azure Cloud and hence upgrade your career.

Who should take up this course?

- 1. Software Developers
- 2. Cloud Professionals and Solutions Architects
- 3. Project Managers and Technical Leads
- 4. Learners who want to build a career in .Net 6, Angular 14, Azure DevOps and Azure Cloud

Timings: Morning Shift - 11 AM IST - 12:30 PM IST Evening Shift - 9PM IST - 10:30 PM IST

- * Implement each & every concept in project, & this training will be practical oriented.
- * We will work on live project or practice on dummy project during course, and course duration will be of two months daily 1.5 hours

Angular 14

- What is Angular
- Difference Angular & AngularJs
- Angular CLI
- Node JavaScript Introduction
- Setup a Project
- Setup Node js with angular
- Typescript Introduction
- What is bootstraping in Angular
- Create Your Fist App

Modules and Components

- What is Component in Angular
- What is Module in Angular
- Create and Start Component
- Why Component are important.
- How we create a component
- Create Component using CLI
 - What is nesting Component

Databinding in Angular

- What is Databinding
 - String Interpolation
- What is Property Binding
- Difference between Property Binding and String Interpolation
- Two Way binding
- Template Reference Variable

Directives in Angular

- What is Directives
- Structural Directive
- Attribute Directive
- Component Directive

Dependency Injection in Angular

- What is Dependency Injection
 - What is Services
- Inject Service and Injection
- Create Data Service

Routing

- What is Routing?
- Loading of Routes
- Navigation and it path
- Styling of Router Links

- Relative Path Navigation
- Define parameter in Routing
- Fetch Routing Parameter
- Observables
- JWT Authentication
- Nested Routing (Lazy loading)
- Config Query Parameters
- Route Guards
- Protect Routes with canActivate

Reactive Forms

- What is Reactive Forms
- Create Reactive form
 - Syncing of HTML and Form
- Adding Validation
- Submit Forms
- Custom Validators

Pipes

- What is Pipes in Angular
- How we use pipes
- Built in & Custom Pipes

HTTP Requests

- What is HTTP Requests
- How it work
- How to send requests & get response

Unit Testing

- What is Unit Testing
- How to Analyze CLI Testing Setup
- Running Test with CLI
- Testing with Karma & Jasmine

C# .NET 6

- What is .NET
- What is C#
- Simple program in C#
- Variables
- Constants
- Value types & reference types
- Operators & conditional statements
- Array & string
- Object oriented programming

- Class & Objects
- Dependency Injection
- Inheritance
- Polymorphism
- Interface
- Exception Handling
- ADO.NET
- Database CRUD operations
- Connecting with Database
- MVC Introduction
- First MVC Application
- Razor Engine & it's Syntax
- HTML Helpers
- Validations & Annotations
- Entity Framework
- Web API
- CRUD operations in WEB API

Azure DevOps

- What is DevOps
- Boards
- Repository
- Pipelines
- CI/CD
- Artifacts
- Git & Version Control

Azure Cloud : For .Net & Angular

- What is Cloud
- Azure Cloud Overview
- IAAS, PAAS, SAAS
- Resource Group
- Resource
- App Service
- Function App
- Database MySQL & SQL Server
- Virtual Machines
- Deployment of application on PAAS platform