Full Stack Microsoft.Net TOC			
Daywise Schedule	Topics	Sub Topics	Hourly Schedule
		Virtualization Basics, RDB Cloud Fundamentals (SaaS, Paas, IaaS)	4
		Storing (S3 Buckets, RDS), Azure CDN Deployment	4
	Average services and substance of the su	4	
		4	
Day 1,2,3		4	
		Networking and Elasticity using Azure DNS	
		Auto Scaling Inbound Flows, and Load Balancing	
			1
			4
1)			4
	SQL Server Development		4
Day 4,5		Index, Data Definition Language	4
		Data Manipulation language, Constraints	2
	Refe	Reference integrity, ACID	2
		HTML5, CSS3	4
0	Virtualization Basics, RDB Cloud Fundamentals (SaaS, Paas, IaaS) Storing (S3 Buckets, RDS), Azure CDN Deployment Storing (S3 Buckets, RDS), Azure CDN Deployment Authentication, IAM, Simple Azure Notification Hubs Azure Queue Service, and Azure App Service, Impleme CI/CD Networking and Elasticity using Azure DNS Auto Scaling Inbound Flows, and Load Balancing Cloud Formation, and the Azure Command Line Interta (CLI) Where Clause, Joins Aggregate Functions, User Defined Functions, stored procedures Index, Data Definition Language Data Manipulation language, Constraints Reference integrity, ACID HTML5, CSS3 Bootstrap, Building Responsive JavaScript fundamentals; Paper Based Layouts using Flexbox; Modern JavaScript (ES6) DOM Manipulation JSON and Restful APIs (Async& Await) Unit Testing using Mocha and Chai, SCM using Gitlab Basic Programming Concepts C# Variables, Conditions, Functions, Strings, File Handling loops, Arrays, Classes, Abstraction, Inheritance Polymorphism, Array list	4	
Day 1,2,3 Cloud and Azure Fundamentals Virtualization Basics, RDB Cloud Fundamentals (Saat Paas, Jaa5) Storing (S3 Buckets, RDS), Azure CDN Deployment Storing (S3 Buckets, RDS), Azure CDN Deployment Authentication, IAM, Simple Azure Notification Hubs Azure Queue Service, and Azure App Service, Impler CI/CD Networking and Elasticity using Azure DNS Auto Scaling Inbound Flows, and Load Balancing Cloud Formation, and the Azure Command Line Inter (CLI) Where Clause, Joins Aggregate Functions, User Defined Functions, stored procedures Index, Data Definition Language Data Manipulation language, Constraints Reference integrity, ACID HTML5, CSS3 Bootstrap, Building Responsive JavaScript fundamentals; Paper Based Layouts using Flexbox; Modern JavaScript (ES6) DOM Manipulation JSON and Restful APIs (Async& Await) Unit Testing using Mocha and Chai, SCM using Gitlat Basic Programming Classes, Abstraction, Inheritance Polymorphism, Array list MS Visual Studio, Errors and Exception handling	JavaScript fundamentals; Paper Based Layouts using	4	
Day 6,7,8	그는 그가 마음을 하는 아이들이 가게 하는 것이다. 그리고 아이를 하는 것이 없는 것이 없는 것이 없는 것이 없는 것이다. 그는 것이 없는 것이다. 그는 것이다. 그는 것이다.	Modern JavaScript (ES6)	4
Day 4,5		DOM Manipulation	4
		JSON and Restful APIs (Async& Await)	
		Unit Testing using Mocha and Chai, SCM using Gitlab	4
		Basic Programming Concepts C#	4
		Variables, Conditions, Functions, Strings, File Handling,	4
Day 9,10.11		Classes, Abstraction, Inheritance	4
	Language .NET	Polymorphism, Array list	4
	Building Responsive and Interactive Web Pages Modern JavaScript (ES6) DOM Manipulation JSON and Restful APIs (Async& Await) Unit Testing using Mocha and Chai, SCM using Gitlab Basic Programming Concepts C# Variables, Conditions, Functions, Strings, File Handling, loops, Arrays, Classes, Abstraction, Inheritance Polymorphism, Array list	4	
			4

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		SDLC, Design and Prototyping	
		Software Testing Concepts	4
DATE: DEPOS MINOS CALLANIAS		Software Testing Concepts Junit, Integration Testing, Best Practices with Git and Engineering Discipline Version Control, Git Design Patterns RDBMS fundamentals Algorithms Analysis Searching, Sorting, Graphs, Trees Stacks, Queues Hashtable, Collections Introduction to NoSQL — MongoDB; Building Web APIs using ASP.NET Core Life Cycle; API Management and Microservices Messaging, Inter-process communication Swagger documentation Automated testing of ASP.NET Core Apps and API Testing Hand-On Project ü Introduction to Angular ü JavaScript Introduction ü TypeScript	4
Day 12,13,14	Advanced C# & OO Programming Advanced C# & OO Programming Best Practices with Git and Engineering Discipline Version Control, Git Design Patterns RDBMS fundamentals Algorithms Analysis Searching, Sorting, Graphs, Trees Stacks, Queues Hashtable, Collections Introduction to NoSQL - MongoDB; Building RESTful Microservices using ASP.NET Core Life Cycle; API Management and Microservices Messaging, Inter-process communication Swagger documentation Automated testing of ASP.NET Core Apps and API Testing Hand-On Project ü Introduction to Angular ü JavaScript Introduction ü TypeScript Introduction ü TypeScript Introduction ü TypeScript Introduction ü NPM Package Introduction ü NPM Package Introduction ü NPM Package Introduction ü NPM Package Introduction ü TypeScript Introductio	4	
		Design Patterns	8
			4
		Algorithms Analysis	8
		Software Testing Concepts Junit, Integration Testing, Best Practices with Git and Engineering Discipline Version Control, Git Design Patterns RDBMS fundamentals Algorithms Analysis Searching, Sorting, Graphs, Trees Stacks, Queues Hashtable, Collections Introduction to NoSQL - MongoDB; Building Web APIs using ASP.NET Core Life Cycle; API Management and Microservices Messaging, Inter-process communication Swagger documentation Automated testing of ASP.NET Core Apps and API Testing Hand-On Project ü Introduction to Angular ü JavaScript Introduction ü TypeScript Introduction	8
Day	Data Structures and Algorithms		8
5,16,17,18,19		Stacks, Queues	8
		Hashtable, Collections	8
		Introduction to NoSQL - MongoDB;	8
		Software Testing Concepts Junit, Integration Testing, Best Practices with Git and Engineering Discipline Version Control, Git Design Patterns RDBMS fundamentals Algorithms Algorithms Algorithms Analysis Searching, Sorting, Graphs, Trees Stacks, Queues Hashtable, Collections Introduction to NoSQL – MongoDB; Building Web APIs using ASP.NET Core Life Cycle; API Management and Microservices Messaging, Inter-process communication Swagger documentation Automated testing of ASP.NET Core Apps and API Testing Hand-On Project a Introduction to Angular b JavaScript Introduction b TypeScript Introduction c TypeScript Introduction b Unpp Package Introduction c What is Bootstrap c Create Demo App Using (Visual Studio Code or VS) c What is Component in Angular js c What is Module in Angular js c Create and Start Component c Why Components are important. c How we create a component	8
Day	Building RESTful Microservices using ASP.NET Core Building RESTful Microservices using ASP.NET Core Building Web APIs using ASP.NET Core Life Cycle; API Management and Microservices Messaging, Inter-process communication Swagger documentation Automated testing of ASP.NET Core Apps and API Testing Hand-On Project ü Introduction to Angular ü JavaScript Introduction ü TypeScript Introduction ü NPM Package Introduction	API Management and Microservices	4
0,21,22,23,24		Messaging, Inter-process communication	4
25		Swagger documentation	4
		4	
		Hand-On Project	16
		ü Introduction to Angular	
		ü JavaScript Introduction	
		ü TypeScript Introduction	
		ü NPM Package Introduction	
	Angular Introduction	ü Difference between Angular 2.0 vs 7.0	4
		ü Angular CLI and Troubleshooting	
		ü Setup Node Js with Angular	
		ü What is Bootstrap	
1		ü Create Demo App Using (Visual Studio Code or VS)	
[ü What is Component in Angular js	
		ü What is Module in Angular js	
		ü Create and Start Component	
		ü Why Components are important.	
	Modules and Components	ü How we create a component	4
		ü Create Component using CLI	

		ü What is nesting Component ü What is Component Template	
Day 26,27		ü Component Styles and Selectors	
1992 96		ü What is Data binding	
		ü Splitting Application into Component	
		ü String Interpolation	4
		ü What is Property Binding	7 7
		ü Difference between Property Binding and String	7
		Interpolation	
		ü Binding with Custom Events.	
		ü What are Binding Properties and Events	
	Data Binding in Angular	ü Two Way binding	2
		ü Combine Forms with Data binding	
		ü Custom Properties	
		ü What is Encapsulation	27.5 E.C.
		ü How to Use Local Reference in Templates	100
		ü Template Access and DOM	2
		ü Component Lifecycle	
		ü What is Hooks in Angular js	
		ü Access Template with Hooks	
		ü What is Directives	
		ü Using Output Data Conditionally	3
		ü What is ng if and else condition	3
ľ		ü Output List	
		ü Styling Element with ngStyle	
	Directive in Angular JS	ü How to apply css class dynamically with angular js	3
		ü How to Create Basic Attribute Directive	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ü What is Renderer	3
88		ü What is HostBinding and HostListener	
88		ü Directive Properties	
		ü ngSwitch	
		ü What is Dependency Injection	
		ü What is Services	
		ü Logging Service and Injection	

		ü Create Data Service	
	Dependency Inject in Angular Js	ü Instance of Services	
	Dependency Inject in Angular 13	ü Insert Service into Services	3
2 20 20		ü How to use service in Cross Component	
Day 28,29		What is Hierarchical Injector	
		ü What is Routing?	
		ü Loading of Routes	
		ü Navigation and it path	2
		ü Styling of Router Links	2
		ü Relative Path Navigation	
		ü De ne parameter in Routing	-
		ü Fetch Routing Parameter	
		ü Observables	:
	Routing	ü Passing & Retrieving Parameters & Fragments	3
		ü Nested RoutingCon g Query Parameters	
		ü Redirection Routes	
		ü Route con guration	
		ü Route Guards	
		ü Protect Routes with canActivate	
		ü Navigation Controlling	2
		ü Static Data in Route	
		ü Location Strategies	
		ü What is Forms Introduction	
		ü Reactive Approach	7
		ü Template Driven	4
		ü Create Template Driven Forms	
		ü What is Registering Control	
		ü Use and Submit of Forms	
	Forms	ü Access of Forms	2
		ü How to add validation in use input	*
		ü Build-In Validation	
		ü HTML5 Validation	185
		ü Output Validation and Error Messages	4
		ü Two Way Binding	

		ü Grouping	
20.24		ü Radio Button Handling	2
Day 30,31		ü Patch Forms Values	
		ü Resetting Templates form Forms	
		ü What is Reactive Forms	
		ü Create Reactive form through code	
		ü Syncing of HTML and Form	
		ü Adding Validation	2
		ü Sumit Forms	
	Reactive Forms	ü Grouping	
		ü Form Control Arrays	
		ü Custom Validators	
		ü Relative Forms	2
		ü Async validation	
		ü Value changes and Reacting to status	
		ü What is Pipes in Angular	
		ü How we use pipes	
		ü Chaining Multiple pipes in angular	
	Pipes	ü parameterizing a pipe	2
		ü Filter Pipe	
		ü Impure & Pure Pipe	
		ü async Pipes	
		ü What is HTTP Requests	
		ü How it work	
		ū How to send requests	
	HTTP Requests	ü Adjusting Request Headers	2
22		ü How to handle Get and Put Request	
ay 32		ü Catching HTTP Error	
		ū async with HTTP Requests	
		ü What is Authentication	
		ü How Authentication Work	
		ü Introduction to JSON Web Tokens	
		ü Creating Page and Route	

ľ		ü Firebase SDK	0
	Authentication	ü User Signing UP and In	4
	Addientication	ü Sending Token & Requiring	
		ü Authentication Status	
		ü How to add Logout button	
		ü Protection & Redirection of Route	
		ü What is idea behind Modules	
		ü What is feature Modules and how we create it	
		ü What is App Modules	2
		ü Registering Routes in Feature Modules	3
		ü What is Shared Module and how we create	
	Angular Modules	ü Create the Auth Feature module	2 S4
		ü What is Lazy LoadingHow to Modules & Services works	
		ü What is Core Module	2
		ü How to Create Basic Core Module	
Day 33		ü AoT Compilation with CLI	
		ü What is HttpClient and how we unlock it	
		ü Request Configuration with Response	8
		ü Request Events	
		ü Set up Headers	
	HTTP Client	ü HTTP Parameters	3
		ü Progress	0.
T.		ü What is Interceptors	0.
		ü Modify Request in Interceptors	
		Multiple Interceptors	
		ü What is Angular Animations	
	Animations	ü Triggers and State	
		ü Switch between States	4
		ü Basic and Advanced Transitions	ā
	Ammadons	ü What is void state	
		ü Key frames in animation	4
		ü Grouping	7
Day 34		ü Animation Callback	g 2

		ü What is Unit Testing	
		ü How to Analyze CLI Testing Setup	4
		ü Running Test with CLI	4
	Unit Testing	ü Components and dependencies	
		ü Async Tasks	
		ü Adding Component with tests	4
Day 35		ü Difference between Isolated and Non-isolated Tests	
		What is Python ? Python Syntax	4
		Installation of Python	4
		Print statement	4
		Database fundamental using MySQL	3
Day	PythonBasics	Data types in Python	5
36,37,38,39,40	5.50	String Operations	5
		Simple input and output program	5
		The if statement,for,whileloop,range statement,	5
		Break and Continue	5
		Function Parameters	2
	r	Variable arguments	2
		Modules:OS,SYS,TELNET,socket,Scapy,dpkt,pcapy,fabric,	
	runctions and modules	The state of the s	2
Day 41,42,43	Unit Testing Components and dependencies		2
		4	
	The second secon		4
	Unit Testing ü Components and dependencies ü Async Tasks ü Adding Component with tests ü Difference between Isolated and Non-isolated Tests What is Python ? Python Syntax Installation of Python Print statement Database fundamental using MySQL Data types in Python String Operations Simple input and output program The if statement, for, whileloop, range statement, Break and Continue Function Parameters Variable arguments Modules: OS, SYS, TELNET, socket, Scapy, dpkt, pcapy, fabric, LDAP Scope, Lambda functions Map, Create a module Standard Modules Errors, Exception handling with try handling multiple exceptions, customizing the exceptions. New Style classes Instance Methods Inheritance Creating classes Polymorphism Exceptionclasses	4	
		A STATE OF THE STA	4
		New Style classes	4
		Instance	4
	Class in Phyton	The state of the s	4
		A CONTRACTOR OF THE CONTRACTOR	4
Day		Creating classes	8
44,45,46,47,48			4
,49		Exceptionclasses	4
	Comprehens 9 Thomas	Iterators	4
	Generators & Iterators	Generators	4

		Functions any and all, with statement	4
		Data Compression.	4
	Collections	Named tuple	4
		Deque	4
		Counter	4
		UserDict	4
		OrderedDict	4
Day		ChainMap	4
50,51,52,53,54	GUI in Python	UserList	
		UserString	4
		Components and Events	4
		Root Component	4
		Buttons	(12)
		Widgets	4
Day 55 - 60	HandsOn Project		48