			HTML5 and JavaScript Ecosystem	
Week-1	7-Oct-20	Day-1	HTML5	gaurang.a.patel
	8-Oct-20	Day-2	CSS	gaurang.a.patel
	9-Oct-20	Day-3	JavaScript	gaurang.a.patel
	12-Oct-20	Day-4	jQuery	gaurang.a.patel
	13-Oct-20	Day-5	Bootstrap, Jade, Sass	gaurang.a.patel
			SPA Development (Angular)	
Week-2	14-Oct-20	Day-1	Introduction to Angular	ashu.lekhi
			TypeScript	
			Angular Architecture	
	15-Oct-20	Day-2	Component	ashu.lekhi
			Directives	
			Pipes	
	16-Oct-20	Day-3	Routing (Fundamentals)	ashu.lekhi
			Routing (RouteParameters)	
			Routing (Child Routes)	
			Services	
	19-Oct-20	Day-4	Bower	ashu.lekhi
			CodeQuality - JSHint	
			Http Service	
			Introduction to MongoDB	
			MongoDB : Database and Document	
	20-Oct-20	Day-5	Angular Forms	ashu.lekhi
			MongoDB : Advance queries and updating Database	
			MongoDB : Delete and Indexing	
			App Development and Microservices (Node.js)	
Week-3	21-Oct-20	Day-1	Introduction to NodeJS	Mohana.krishnaveni
			Architecture of NodeJS	
			Features of NodeJS	
			Module system in NodeJS	
			Introduction to Node Package Manager	
			Asynchronous Programming in NodeJS	
	22-Oct-20	Day-2	Introduction to Microservices	Mohana.krishnaveni
			Monolith Vs Microservices	
			Benefits of Microservices application development	
			Why Node.js for Microservices?	
			Introduction to the Demo Application architecture	
			Introduction to Seneca	
			Creating microservice using Seneca	
			Pattern matching	
			Writing plugins	
	23-Oct-20	Day-3	Need for API gateway	Mohana.krishnaveni
			Introduction to Express	
			Routing	
			Writing and using Middleware	

			Exposing microservices using Express API gateway	
			Integration with Angular Front-end	
	27-Oct-20	Day-4	Seneca Data entities	Mohana.krishnaveni
			Microservices with MongoDB	
			Microservice communication patterns	
			Using RabbitMQ as messengers between Microservices	
	28-Oct-20	Day-5	Case Study Followed by Assessment	Mohana.krishnaveni
App Development on Microsoft Platform				
	29-Oct-20	Day-1	Introduction to .NET Technology	archana.mohandas
			C# Language Fundamentals	
			Object Oriented Programming using C#	
			Class Library	
			Unit Testing	
Week-4	30-Oct-20	Day-2	Collections	archana.mohandas
			IO	
			JSON	
			Serialization	
	2-Nov-20	Day-3	ASP.NET MVC : Introduction, Actions and Filters	archana.mohandas
	3-Nov-20	Day-4	ASP.NET MVC : Model validation and Data Access	archana.mohandas
	4-Nov-20	Day-5	ASP.NET Web API	archana.mohandas
Cloud Overview and Azure Fundamentals				
	5-Nov-20	Day-1	**Cloud Overview and Introduction to Azure**:	harish.nagaraja
			Cloud Overview	
			A Virtual Tour of Data Center	
			Cloud Services and Roles	
			Introduction to Azure	
			How to Work with Azure	
			What is in it (Azure)	
	6-Nov-20	Day-2	**Compute Solutions on Azure:**	harish.nagaraja
			Azure Compute	
			Virtual Machines	
			Containers	
			Function Apps	
Week-5	9-Nov-20	Day-3	**Storage Solution on Azure:**	harish.nagaraja
			Azure Storage	
			Blobs	
			File shares	
			Tables	
			Queues	
			Azure Data Services	
	10-Nov-20	Day-4	**Networking and Security on Azure:**	harish.nagaraja
			Azure Networking	
			Virtual Networks	
			Express Route and Load Balancer	
			Azure Security	
			Azure Firewall and DDOS	

	11-Nov-20	Day-5	**Monitoring and Management Services on Azure:**	harish.nagaraja
			Cloud Monitoring	
			Azure Monitor	
			Azure App Insights	
			Cloud Management	
			Azure subscriptions	
			Azure Governance	
			Azure Mini Project	
	Cloud Native App Development on Azure			
Week-6	12-Nov-20	Day-1	Recall Cloud Service Model	Srinivas.Kongara
			Microsoft Azure cloud service model	
			Application development Needs	
			Azure App Services	
			Azure App Services features	
			Azure App services plan	
			Azure App services – Authentication and authorization	
			Azure App services – Deployment slots	
			Azure App services – Scaling	
			Azure App services Environment	
			Azure App Services – Web app	
			Azure App Services – API app	
			Azure Key Vault service	
			Why we need Azure Key Vault?	
			Key Vault object model	
			Types of Keys	
	13-Nov-20	Day-2	Azure Cosmos DB	Srinivas.Kongara
			Cosmos db - Core functionality	
			Global Replication	
			Consistency levels	
			Cosmos DB Resources Model	
			Containers	
			Partitioning	
			What is Caching	
			What is Redis?	
			What is Azure Cache?	
			Azure Redis Cache Performance	
			Scaling Azure Redis Cache	
	17-Nov-20	Day-3	Problem of Data	Srinivas.Kongara
			What is Azure Data Factory? (ADF)	
			What is Azure Data Factory elements overview	
			Azure Data Factory - Datasets	
			Azure Data Factory - Activities	
			Azure Data Factory - Pipelines	
			Azure Data Factory - Demo	
			What is Azure Event Grid?	
			Event Grid - Sources and handlers	
			Event Grid Topic Schema	
			Devops	
			Continuous Integration and Continuous Delivery	

			DevOps on Azure	
			Major Azure DevOps tools	
			Azure Boards	
			Azure Repo	
			Azure Pipelines	
			Azure Test Plans	
			Azure Artifacts	
	18-Nov-20	Day-4	What is Microservices?	Srinivas.Kongara
			Pros and Cons of Microservice	
			Microservices on Azure	
			What is Kubernetes?	
			Running an Application in Kubernetes	
			Kubernetes Cluster Architecture	
			Kubernetes - Pods	
			Kubernetes - Namespaces	
			Kubernetes - Nodes	
			Kubernetes - Networks	
			Kubernetes - Controller	
			What is Azure Kubernetes Service (AKS)?	
			Azure Container Instances (ACI)	
			Azure Web App for Containers	
			Azure Container Registry	
	19-Nov-20	Day-5	Azure Functions	Srinivas.Kongara
			Functions "Behind the scenes"	
			Function integrations	
			Azure Function Trigger	
			Azure Function - Bindings	
			Azure Logic Apps	
			Logic App Concepts	
			The Azure Logic App Environment	
			Azure Login App - Connectors	
			Azure Login App - Triggers & Actions	
			Basic Scenarios	
			Advanced Scenarios	
			Hybrid Scenarios	
			What is an API?	
			Microsoft Azure API Management – High Level Architecture	
			How do I secure my backend services?	
			Azure API Management Provisioning	
			Exploring API Management	
			Azure Infrastructure and Administration	
Week-7	20-Nov-20	Day-1	Introduction to IAM	mathan.govindarajan
			Introduction to Azure Active Directory	
			Azure Active Directory security	
			Azure AD terminologies	
			Introduction to Azure RBAC	
			Scope of RBAC	
			Introduction to Policy in Azure	
			Introduction to Group in Azure	

			Difference between RBAC & Policy	
23-Nov-20	Day-2		Introduction to VM categories	mathan.govindarajan
			Overview of Azure Compute Options	
			VM overview	
			Advantages of using VM	
			Overview of Availability set	
			Why Containers	
			Virtualization vs Containerization	
			Containers Overview	
			Docker Architecture	
			Hosting Containers in Azure	
			Azure VNets and its terminologies	
			VNets best design principles	
			NSGs Overview	
24-Nov-20	Day-3		Load Balancer in Azure	mathan.govindarajan
			Type of LB	
			VM Scale set in Azure Overview	
			Why to use VM scale sets	
			Difference between VM and VM scale set	
			Azure DNS overview	
			DNS Options	
25-Nov-20	Day-4		Azure Monitor Overview	mathan.govindarajan
			Why to use Azure Monitor	
			Azure Log Monitor Overview	
			Alerts in Azure Overview	
			Managing Alerts	
26-Nov-20	Day-5		Azure ARM overview	mathan.govindarajan
			Terminologies used in Azure RM	
			Locks in Azure RM	
			Advantages of using ARM template	
			Azure PowerShell Overview	
			Introduction to Terraform	
			Difference between terraform and ARM	
			Demo on ARM template, PowerShell and Azure Terraform	