	AWS Curriculum					
S.No	Module	Module Content	Duration			
Module 1	Introduction to Cloud Computing	Introduction to Cloud Computing Advantages of Cloud Computing Era Before and After Cloud Computing Cloud Services & Deployment models Cloud service providers	(Hrs ) 1			
Module 2	Introduction to AWS	What is AWS AWS Account Creation AWS Service domains AWS Services AWS Regions and AZ's AWS Suite AWS Free Tier Starting off with AWS:(Hands-On) Billing Dashboard & Cost Explorer Setting up Billing Alarm \$ Budget Service Quota	1			
Module 3	Simple Storage Service - S3	<ul> <li>Basics of Storage System</li> <li>Storage Services provided by AWS</li> <li>Difference Between Object storage and Block</li> <li>Storage</li> <li>Introduction to Simple Storage Service - S3</li> <li>Components of S3</li> <li>Important Properties of S3 bucket</li> <li>Enabling and Managing Versioning on S3 bucket</li> <li>Managing Logging on S3 Bucket</li> <li>Creating Life-Cycle Management Rule S3</li> <li>Hosting a static-website in S3</li> <li>Cross-Region replication in S3</li> <li>Transfer Accelerator in S3</li> <li>Seccurity feature of S3Encryption,Buclet Policy, Permission etc.</li> <li>Snowball - Types &amp; Use Cases</li> <li>S3 Pricing</li> </ul>	3			

		Design of Mintural Community	,
		Basics of Virtual Servers	
		Components of a Virtual Server	
		Introduction to Elastic Cloud Compute - EC2	
		Use cases and important features of EC2	
	Elastic Compute Cloud - EC2	Introduction to AMI - Its Uses	
		Introduction to Instance and its types	
		Security Groups - Creation & Management	
Module 4		Key Pair - Why & How	3
Module 4		Launching & Connecting to Window Instance	5
		Launching & Connecting to Linux Instance	
		Setting up a web server on linux Instnace - Hosting a	
		website	
1		Elastic IP Address	
		Placement Group	
		Instance Pricing Model	
		Tenancy Models	
	Elastic Block Storage - EBS	Introduction to EBS	
		How EBS Works	
Module 5		Snapshots	1
		Snapshot Restoring	-
		Pricing	
	Elastic File System - EFS	Introduction to Elastic File System - EFS	0.5
Module 6		Configuration of EFS	
		Creating and using EFS with Multiple EC2 Instances	
	Elastic Load Balancer - ELB		
		Types of Load Balancer in AWS	
		Use Cases of Load balancers	
		Important Components of Load Balancer	
Module 7		How Health-Check Works for Load Balancer	2
1			
		Configuration of a load balancer and its	ſ
		management	
		Lise Cases of Autoccaling	
Module 8	AutoScaling - AS	Use Cases of Autoscaling Important Components of AutoScaling	
			1
		Configuration of Autoscaling	
		Launch Configuration and LB Group	
	L	Pricing	

		Desire of Networking	
		Basics of Networking	
		IP Address and CIDR Block	
		Concept of Virtual Cloud - Private	
	Virtual Private Cloud - VPC	Introduction to Virtual Private Cloud -VPC	-
Module 9		Subnet and Route Tables	4
		Internet Gateway and NAT	ſ
		Creating and managing a NAT Instance	
		Access Control List - ACL	
		VPC Peering	
		Introduction to DNS	
		How DNS Works	
		Introduction to Route53	ſ
Module 10	Route53	Domain Registration in Route53	1.5
		Health Checks in Route53	
		Routing Policies in Route53	
		Creating and Managing different Routing Policies	
		Introduction to Database - Its Components	
		Database Services provided by AWS	
		Introduction to RDS	
		Components of RDS	
	Relational Database Service - RDS	DB engines provided by RDS	
Module 11		Snapshots and Back-up in RDS	2
		Read Replicas in RDS	
		Creating and connecting to a RDS database	
		RDS Security	
		Pricing in RDS	
	Elastic Beanstalk - EB	Introduction to Elastic Beanstalk I	
		Important Concepts in EB	
		Managing Environments in EB	
Wodule 12		Managing Applications in EB	1
		EB Platforms	
		Getting started with EB	
	Identity & Access Management- IAM	Introduction to Identity & Access Management	
		Components of IAM	
		Creating and Managing Users & Groups	
Module 13		Creating and Managing IAM Policies	1.5
		Roles and its use cases	
		Multi-Factor Authentication - [MFA]	
		Security Features in IAM	
Module 14	Lambda	Important Components of Lambda	
		Creating simple function in Lambda	
		Creating and Managing triggers in Lambda	1
		Sample Code run using Lambda	
	l	Sample Code run using Lambda	

	1	How API Gateway Works	1
Module 15	API Gateway	Why Should we use API Gateway	1
		Pricing in API Gateway	
		Use Case Discussion	
	CloudWatch	Integration with Lambda	1
		Important Components of CloudWatch	
		Creating and Managing metrics in CloudWatch	
		Creating and Managing Events in CloudWatch	
Module 16		Creating and Managing Dashboards in Cloudwatch	
		Creating and Managing Alarms in CloudWatch	
		Creating and Managing Logs in Cloudwatch	
		Introduction to Cloudtrail	
Module 17	Cloudtrail	Creating and Managing trails	0.5
Module 18		Setting up trail for Root login Notification	
		Introduction to Linux Commands	
	Extra Concepts	Introduction to Basic Networking	1
		CIDR Calculation	
Project			
		]	2
Total count 1	8 Modules + Projects		30 Hours