Learnomate Technologies is the Information technology company which provide training on different IT Technologies.
Out of that **Amazon Web Services** is the one of the technology.
Course structure design in such a way that student will learn from Basic concepts to advance.

AWS SYLLABUS KEY POINTS

Module 1: Introduction to Cloud & AWS

- Define cloud computing.
- Cloud computing Infrastructure.
- The requirements that need to be fulfilled to qualify as a cloud service.
- Cloud service and deployment models.
- Common misconceptions about cloud computing.
- Common cloud Implementations.
- Architecture discussion
- Lab preparation
- Overview of major AWS services
- Get to know different AWS services and their Usage
- Benefits of studying AWS

Module 2: Amazon Elastic Compute Cloud (EC2)

- Defining EC2 Instances
- Different type of Images (AMI)
- Create Linux EC2 instances
- Create Windows EC2 instance
- Connecting to EC2 instances
- Lab AMI creation
- Volumes (EBS)
- Lab volume creation
- Setting up a volume once attached to EC2
- Hands on snapshot creation

- Lab security Groups
- Key Pairs
- Elastic Load Balancing
- Hands on Elastic load balancing
- Launch configuration
- Auto scaling concepts
- Lab Auto scaling
- Lab ELB
- Lab creation of billing alerts
- Lab Cloud Watch
- Hands on setting up for NodeJs development

Module 3: Identity And Access Management Techniques (IAM)

- Understand Users, Groups and Roles
- Policies and Policy documents
- Lab creating roles,user and groups
- Access control
- Policy management
- Hands on assigning policies to users, groups and roles
- Restricting different services for users.

Module 4: S3

- S3 buckets and its usage
- Lab creating a S3 Bucket
- Lab upload and retrieve data from S3 bucket.
- Giving privileges on to S3 bucket.
- Hands on S3 policies and ACLs
- Lab Life Cycle Management
- Lab object expiration in S3
- Lab S3 Versioning
- S3-RRS, S3-IA and Glacier
- CORS
- Lab hosting a website on S3

Module 5: SNS, SWF and SQS

- Working with simple notification system.
- Understanding queuing service.
- SNS and SQS real-time use case
- Introduction to SWF and use case
- Lab on SNS
- Programming Amazon SQS and SNS using the AWS NodeJS SDK

Module 6: Networking: Setting up VPC and NAT

- Custom VPC and default VPC concepts
- CIDR notation
- Subnets and routing concepts
- Different methods to connect to custom VPC
- Lab to create Subnets, ACLs, Routing rules.
- Lab to create security groups at instance.
- Lab creating a notification subscription.
- Lab creating a VPC.
- Lab setting up public and private subnets
- Lab setting up Internet/Nat gateway
- Securing your network.
- Network ACLs

Module 7: AWS Databases RDS and Dynamodb

- AWS Database services overview – RDS, DynamoDB, Elasticache, Redshift
- Lab creating RDS instances
- Read Replicas
- RDS scaling concepts
- RDS postgres sql server
- RDS Oracle Server
- Lab Migrating from Oracle to Aurora using Database migration Service
- Lab configuring Multi-AZ failover
- Lab accessing a database hosted on RDS
- DynamoDb Core knowledge
- Scaling with Dynamodb
- DynamoDb write and read unit calculation
- DynamoDb with NodeJS
- Elasticache concepts

Module 8 : Application Services

- R53 and DNS
- Domain registration
- R53 routing policies
- Lab on routing policy setup
- Routing policies in detail
- AWS CloudFront
- AWS Cloud Formation
- Deployment Using Cloud Formation
- OPS works
- Lab OPS works
- Cloud Trail
- Direct Connect

Module 9 : Project: Work

- Hands-on workshop/Project: Deploying a web-application using AWS services
- Deploy a PHP application to access/create/upload files on S3 through EC2
- Deploy PHP application to create tables, insert values in DynamoDb through EC2
- Lab on Kinesis, through cloud formation
- Programming Amazon SQS and SNS using the AWS NodeJS SDK
- Lambda with NodeJS
- Lab setting up Dynamodb with Nodejs
- Elasticache with Nodejs

Module 10: Big Data Solutions

- Data warehousing in AWS
- Big data solutions in AWS

Module 11 : Important

- Designing Fault tolerant and Highly Available architecture
- Data Security
- Backup and Disaster Recovery
- Deployment on AWS
- Cost Optimization in AWS

Course Details

- **Training Duration: 2 Months**
- **Fees: Rs. 19999 [299$ USD]**
  [Online Training available]

Special Lectures:

Ashish Sir for Oracle Golden Gate [2 Lectures]
Mohit Sir for Oracle Cloud [2 Lectures]
Ankush sir for Oracle DBA [2 Lectures]

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A Steps towards the bright future

Training Highlights

- Recording Access shared to students on Learnomate App
- Professional Resume building by Industrial working mentors
- Dedicated Support Team to solve issues [8 Am to 8 Pm]
- Placement assistance/Job requirement notification support/Hr contacts

Contact Details

If you required any further information, please fill free to contact us.

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