**AWS Training Course Syllabus:**

* **Introduction**

Introduction to Cloud Computing and AWS services

Traditional Vs Cloud Datacenter

Cloud Service Models

Cloud Deployment Models

* **AWS**

Creating AWS Account

Access Types:

1. Console Access
2. Programmatic Access (CLI)

* **Elastic Compute Cloud (EC2)**

Introduction to Elastic Compute Cloud (EC2)

Launching EC2 server

Elastic Block Store (EBS)

Elastic IP creation

Amazon Machine Image (AMI)

Snapshots creation from Volume

* **Simple Storage Service (S3)**

Introduction to Simple Storage Service (S3)

How to create Bucket

How to store objects

Bucket properties and Object Properties

How to create Bucket policy

Static website hosting in S3

Versioning and Life cycle creation for objects

S3 browser

* **Load Balancer & Auto scaling**

Elastic Load Balancer (ELB)

Introduction to Auto Scaling

Creating Launch Configuration with AMI

Creating Auto scaling group

* **Virtual Private Cloud (VPC)**

Networking Basics

Introduction to Virtual Private Cloud (VPC)

Creating public and private subnets

Creating Routing Tables

Creating Internet Gateways

Creating NAT Gateways

Creating VPC Peering

Creating VPC End Points

Understanding of VPN

Understanding of AWS Direct Connect.

* **Relational Database Service (RDS)**

Introduction to Relational Database Service (RDS)

Creating RDS instance.

Connection to RDS Instance

* **Identity and Access Management (IAM)**

Introduction to Identity and Access Management (IAM)

Creating users and Groups

Creating Custom policies

Creating Roles

Giving access to users to services using custom policies

KMS

Cross Account access (Switch Role)

* **Cloud Formation**

Introduction to Cloud Formation

Designing a template in Cloud Formation

Creating Stack using designed Cloud Formation templates

* **AWS Monitoring Services**

Introduction to Cloud Watch

Creating alarm using Cloud Watch

Simple Notification Service (SNS)

* **AWS Content Delivery Services**

Introduction to Cloud Front

Creating Content Distribution

Simple Email Service (SES)

Simple Queue Service (SQS)

* **Domain Name Services**

Route 53

* **Lab Sessions:**

Lab sessions of all Services.

Installing PHP and Apache Tomcat in Linux & Windows Server (IIS).

Backup of EBS Volumes.

* **AWS Project**

Creating website using AWS Services.