

Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
							Sessional	Final Exam	Total
COM-611	Cloud Computing Lab	PCC	2	0	0	4	50	!	50

Course Outcomes:

At the end of the course the student will be able to:

CO1	Create and configure AWS resources, including accounts, VPCs, and IAM roles.
CO2	Launch and manage EC2 instances, S3 buckets, and DynamoDB tables.
CO3	Set up CloudWatch for monitoring and Lambda for serverless code execution.
CO4	Deploy static websites and relational databases on AWS services.
CO5	Analyze and evaluate the performance and efficiency of AWS deployments.

AWS Cloud Practitioner Certification Lab

S. No	Activities
1	Setting Up an AWS Account <ul style="list-style-type: none"> Create and configure an AWS account to start using AWS services.
2	Launching an EC2 Instance <ul style="list-style-type: none"> Deploy a virtual server using Amazon EC2.
3	Creating an S3 Bucket <ul style="list-style-type: none"> Create an Amazon S3 bucket to store and retrieve data.
4	Setting Up IAM Users and Roles <ul style="list-style-type: none"> Create and manage AWS Identity and Access Management (IAM) users and roles.
5	Configuring a VPC <ul style="list-style-type: none"> Set up a Virtual Private Cloud (VPC) to manage network settings.
6	Setting Up AWS CloudWatch for Monitoring <ul style="list-style-type: none"> Monitor AWS resources using Amazon CloudWatch.
7	Using AWS Lambda to Run Code <ul style="list-style-type: none"> Create a Lambda function to run code without provisioning servers.
8.	Creating a DynamoDB Table <ul style="list-style-type: none"> Set up a NoSQL database using Amazon DynamoDB.
9.	Deploying a Static Website with S3 <ul style="list-style-type: none"> Host a static website using Amazon S3.
10.	Creating an RDS Database Instance <ul style="list-style-type: none"> Set up a relational database using Amazon RDS.