MCKV Institute of Engineering

243 G. T. Road (N), Liluah, Howrah – 711204

Subject: **Software Development and IT Operations Lab**   Code: **PC-CS-694**

Stream: Credit: 1

Year and Semester: 3rd Year 2nd Semester

A.Y. 2024-2025

Experiment No.	Name of the Experiment	Marks Obtained	Signature of the Class Teacher
1.	Create an account in AWS and configure a budget.		
2.	Create MFA for authentication.		
3.	Create IAM user and give full access to S3.		
4.	Create a private bucket in AWS. Upload a file and check by presigned URL whether you can access the file or not.		
5.	Create a public Bucket in AWS. Upload a file and give the necessary permission to check whether the file URL is working.		
6.	Upload a static website on S3.		
7.	Hosting a website on EC2.		
8.	Deploy a project from a local machine to GitHub and vice versa.		
9.	Deploy a project from GitHub to EC2.		
10.	Deploy a project from GitHub to EC2 by creating a new security group and user data.		
11.	Build scaling plans in AWS that balance the load on different EC2 instances.		
12.	Deploy and run the project in AWS without using the port.		
13.	Create a workmail for your organization.		
14.	Create an Elastic IP for an Instance.		
15.	Create a Serverless computing service.		
16.	Manage Amazon DNS service and run a project using domain name URL.		