

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Lesson Plan & Work-done Diary for AY: 2025-26

EVEN Semester

Course with Code: CLOUD COMPUTING (BCS601)				Faculty Name: Ms. Bhavya Dechamma K S		Semester & Section: VI	
Class No.	Batch Number	Date planned (DD/MM)	Program to be covered	Batch Number	Date of Conduction (DD/MM)	Program Covered	Remarks if any deviation
1	A1	2/02/26	Introduction to Google Cloud				
	A2	27/01/26					
	A3	28/01/26					
2	A1	9/2/26	Creating a Virtual Machine: Configure and deploy a virtual machine with specific CPU and memory requirements in Google Cloud. OR Exploring AWS CloudShell and the AWS Cloud9 IDE				
	A2	3/2/26					
	A3	4/2/26					
3	A1	16/2/26	Getting Started with Cloud Shell and gcloud: Discover the use of gcloud commands to manage Google Cloud resources from Cloud Shell. OR Working with Amazon S3Orchestrating Serverless Functions with AWS Step Functions				
	A2	10/2/26					
	A3	11/2/26					

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4	A1	23/2/26	Cloud Functions: Create and deploy a Cloud Function to automate a specific task based on a Cloud Storage event. OR Working with Amazon DynamoDB				
	A2	17/2/26					
	A3	18/2/26					
5	A1	02/3/26	App Engine: Deploy a web application on App Engine with automatic scaling enabled. OR Developing REST APIs with Amazon API Gateway				
	A2	24/2/26					
	A3	25/2/26					
5	A1	9/3/26	Cloud Storage: Qwikstart: Google Cloud Storage provides scalable and secure object storage for managing data, accessible via the Cloud Console or gsutil CLI. OR Creating Lambda Functions Using the AWS SDK for Python				
	A2	3/3/26					
	A3	11/3/26					
6	A1	16/3/26	Cloud SQL for MySQL: Discover how Google Cloud SQL for MySQL provide automated management and high availability for MySQL databases? OR Migrating a Web Application to Docker Containers				
	A2	10/3/26					
	A3	18/3/26					

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7	A1	23/3/26	Cloud Pub/Sub: Experiment how Google Cloud Pub/Sub facilitate real-time messaging and communication between distributed applications. OR Caching Application Data with ElastiCache, Caching with Amazon CloudFront, Caching Strategies				
	A2	17/3/26					
	A3	25/3/26					
8	A1	30/3/26	Multiple VPC Networks: Explore benefits of using multiple VPC networks in Google Cloud for organizing and isolating resources. OR Implementing CloudFront for Caching and ApplicationSecurity				
	A2	7/4/26					
	A3	8/4/26					
9	A1	13/4/26	Cloud Monitoring: Discover how Cloud Monitoring help in tracking and analyzing the performance and health of cloud resources? OR Orchestrating Serverless Functions with AWS Step Functions				
	A2	21/4/26					
	A3	15/4/26					
10	A1	27/4/26	Kubernetes Engine: Qwik Start: Deploy a containerized application to a Kubernetes Engine cluster. OR Automating Application Deployment Using a CI/CD Pipeline				
	A2	28/4/26					
	A3	22/4/26					



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11	A1	4/5/26	Internal Assessment				
	A2	5/5/26					
	A3	6/5/26					

