

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

Course with Code: CLOUD COMPUTING (BCS601)				Faculty Name: Dr. Shilpa B L		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	B1	02.02.2026	Introduction to Google Cloud Creation of account in Google cloud	B1			
	B2	27.01.2026 03.02.2026		B2			
	B3	30.01.2026		B3			
2	B1	09.02.2026	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	B1			
	B2	10.02.2026		B2			
	B3	06.02.2026		B3			
3	B1	16.02.2026	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 S3 Orchestrating Serverless Functions with AWS Step Functions	B1			
	B2	17.02.2026		B2			
	B3	13.02.2026		B3			
4	B1	23.02.2026	Cloud Functions: Create and deploy a Cloud Function to automate a specific task based on a Cloud Storage event. OR Working with Amazon DynamoDB	B1			
	B2	24.02.2026		B2			
	B3	20.02.2026		B3			

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5	B1	02.03.2026	App Engine: Deploy a web application on App Engine with automatic scaling enabled. OR Developing REST APIs with Amazon API Gateway	B1			
	B2	03.03.2026		B2			
	B3	27.02.2026		B3			
6	B1	09.03.2026	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	B1			
	B2	10.03.2026		B2			
	B3	13.03.2026		B3			
7	B1	16.03.2026	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	B1			
	B2	17.03.2026		B2			
	B3	20.03.2026		B3			
8	B1	23.03.2026	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	B1			
	B2	24.03.2026		B2			
	B3	27.03.2026		B3			
9	B1	30.03.2026	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	B1			
	B2	07.04.2026		B2			
	B3	27.03.2026		B3			

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10	B1	13.04.2026	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	B1			
	B2	21.04.2026		B2			
	B3	17.04.2026		B3			
11	B1	27.04.2026	Kubernetes Engine: Qwik Start: Deploy a containerized application to a Kubernetes Engine cluster. OR Automating Application Deployment Using a CI/CD Pipeline	B1			
	B2	28.04.2026		B2			
	B3	24.04.2026		B3			
	B1	04.05.2026	Lab Internals	B1			
	B2	05.05.2026		B2			
	B3	08.05.2026		B3			