

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Lesson Plan & Work Done Diary for AY: 2025-2026 EVEN SEMESTER

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Dr. Shilpa B L			Semester & Section: VI	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1	27.01.2026	Bridge Course	Chalk and Talk, PPT	1				
2	29.01.2026	Bridge Course	Chalk and Talk, PPT	2				
3	02.02.2026	Bridge Course	Chalk and Talk, PPT	3				
4	03.02.2026	Introduction to cloud Computing	Chalk and Talk, PPT	4				
5	05.02.2026	Distributed System Models and Enabling Technologies: Scalable Computing Over the Internet	Chalk and Talk, PPT	5				
6	09.02.2026	Technologies for Network Based Systems	Chalk and Talk, PPT	6				
7	10.02.2026	System Models for Distributed and Cloud Computing	Chalk and Talk, PPT	7				
8	12.02.2026	Software Environments for Distributed Systems and Clouds	Chalk and Talk, PPT	8				
9	16.02.2026	Performance, Security and Energy Efficiency	Chalk and Talk, PPT	9				

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Dr. Shilpa B L			Semester & Section: VI	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-2								
10	17.02.2026	Virtual Machines and Virtualization of Clusters and Data Centers: Introduction	Chalk and Talk, PPT	10				
11	19.02.2026	Implementation Levels of Virtualization	Chalk and Talk, PPT	11				
12	23.02.2026	Virtualization Structure/Tools and Mechanisms	Chalk and Talk, PPT	12				
13	24.02.2026	Virtualization of CPU/Memory and I/O devices	Chalk and Talk, PPT	13				
14	26.02.2026	Virtualization of CPU/Memory and I/O devices	Chalk and Talk, PPT	14				
15	02.03.2026	Virtual Clusters and Resource Management,	Chalk and Talk, PPT	15				
16	03.03.2026	Virtual Clusters and Resource Management,	Chalk and Talk, PPT	16				
17	09.03.2026	Virtualization for Data Center Automation	Chalk and Talk, PPT	17				

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Dr. Shilpa B L			Semester & Section: VI	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-3								
18	10.03.2026	Cloud Platform Architecture over Virtualized Datacenters: Introduction	Chalk and Talk, PPT	18				
19	12.03.2026	Cloud Computing and Service Models	Chalk and Talk, PPT	19				
20	16.03.2026	Data Center Design and Interconnection Networks	Chalk and Talk, PPT	20				
21	17.03.2026	Architectural Design of Compute and Storage Clouds	Chalk and Talk, PPT	21				
22	23.03.2026	Public Cloud Platforms: GAE, AWS and Azure	Chalk and Talk, PPT	22				
23	24.03.2026	Public Cloud Platforms: GAE, AWS and Azure	Chalk and Talk, PPT	23				
24	26.03.2026	Inter-Cloud Resource Management.	Chalk and Talk, PPT	24				

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Dr. Shilpa B L			Semester & Section: VI	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-4								
25	30.03.2026	Cloud Security: Top concern for cloud users	Chalk and Talk, PPT	25				
26	07.04.2026	Risks, Privacy Impact Assessment	Chalk and Talk, PPT	26				
27	09.04.2026	Cloud Data Encryption, Security of Database Services	Chalk and Talk, PPT	27				
28	13.04.2026	OS security, VM Security, Security Risks Posed by Shared Images and Management OS	Chalk and Talk, PPT	28				
29	16.04.2026	XOAR, A Trusted Hypervisor, Mobile Devices and Cloud Security	Chalk and Talk, PPT	29				
30	21.04.2026	Cloud Security and Trust Management: Cloud Security Defense Strategies	Chalk and Talk, PPT	30				
31	23.04.2026	Distributed Intrusion/Anomaly Detection, Data and Software Protection Techniques,	Chalk and Talk, PPT	31				
32	27.04.2023	Reputation-Guided Protection of Data Centers.	Chalk and Talk, PPT	32				

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Dr. Shilpa B L			Semester & Section: VI	
Class No.	Date Planned (DD/MM/YYYY)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM/YYYY)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-5								
33	28.04.2026	Cloud Programming and Software Environments: Introduction	Chalk and Talk, PPT	33				
34	30.04.2026	Features of Cloud and Grid Platforms,	Chalk and Talk, PPT	34				
35	04.05.2026	Parallel and Distributed Computing Paradigms,	Chalk and Talk, PPT	35				
36	05.05.2026	Programming Support for Google App Engine,	Chalk and Talk, PPT	36				
37	07.05.2026	Programming on Amazon AWS and Microsoft	Chalk and Talk, PPT	37				
38	14.05.2026	Emerging Cloud Software Environments	Chalk and Talk, PPT	38				



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

	Activity	Planned	Actual	Remarks
1	Theory Classes	38		
2	Assignments/ Quizzes/Self-study	-		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	03		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	