



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

EVEN SEMESTER

Course with Code: CLOUD COMPUTING – BCS601				Faculty Name: Ms. Bhavya Dechamma K S			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	28/01/2026	Introduction	Chalk and Talk, PPT	1				
2	30/01/2026	Introduction	Chalk and Talk, PPT	2				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

3	2/2/2026	Distributed System Models and Enabling Technologies: Scalable Computing Over the Internet	Chalk and Talk, PPT	3				
4	4/2/2026	Technologies for Network Based Systems	Chalk and Talk, PPT	4				
5	6/2/26	System Models for Distributed and Cloud Computing	Chalk and Talk, PPT	5				
6	9/2/26	System Models for Distributed and Cloud Computing	Chalk and Talk, PPT	6				
7	11/2/26	Software Environments for Distributed Systems and Clouds	Chalk and Talk, PPT	7				
8	13/2/26	Performance, Security and Energy Efficiency	Chalk and Talk, PPT	8				

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MODULE-2								
9	16/2/26	Virtual Machines and Virtualization of Clusters and Data Centers: Introduction	Chalk and Talk, PPT	9				
10	18/2/26	Implementation Levels of Virtualization	Chalk and Talk, PPT	10				
11	20/2/26	Virtualization Structure/Tools and Mechanisms	Chalk and Talk, PPT	11				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

12	23/2/26	Virtualization of CPU/Memory and I/O devices	Chalk and Talk, PPT	12				
13	25/2/26	Virtualization of CPU/Memory and I/O devices	Chalk and Talk, PPT	13				
14	27/2/26	Virtual Clusters and Resource Management	Chalk and Talk, PPT	14				
15	02/3/26	Virtualization for Data Center Automation	Chalk and Talk, PPT	15				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MODULE-3								
16	9/03/26	Cloud Platform Architecture over Virtualized Datacenters: Introduction	Chalk and Talk, PPT	16				
17	11/3/26	Cloud Computing and Service Models	Chalk and Talk, PPT	17				
18	16/3/26	Data Center Design and Interconnection Networks	Chalk and Talk, PPT	18				
19	18/3/26	Architectural Design of Compute and Storage Clouds	Chalk and Talk, PPT	19				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

20	20/3/26	Public Cloud Platforms: GAE, AWS and Azure	Chalk and Talk, PPT	20				
21	23/3/26	Inter-Cloud Resource Management.	Chalk and Talk, PPT	21				

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MODULE-4								
22	27/3/26	Cloud Security: Top concern for cloud users	Chalk and Talk, PPT	22				
23	30/3/26	Risks, Privacy Impact Assessment	Chalk and Talk, PPT	23				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

24	8/4/26	Cloud Data Encryption, Security of Database Services	Chalk and Talk, PPT	24				
25	13/4/26	OS security, VM Security, Security Risks Posed by Shared Images and Management OS	Chalk and Talk, PPT	25				
26	15/4/26	XOAR, A Trusted Hypervisor, Mobile Devices and Cloud Security	Chalk and Talk, PPT	26				
27	17/04/26	Cloud Security and Trust Management: Cloud Security Defense Strategies	Chalk and Talk, PPT	27				
28	22/4/26	Distributed Intrusion/Anomaly Detection, Data and Software Protection Techniques	Chalk and Talk, PPT	28				
29	27/4/26	Reputation-Guided Protection of Data Centers.	Chalk and Talk, PPT	29				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MODULE-5								
30	29/4/26	Cloud Programming and Software Environments: Introduction	Chalk and Talk, PPT	30				
31	4/5/26	Features of Cloud and Grid Platforms	Chalk and Talk, PPT	31				
32	6/5/26	Parallel and Distributed Computing Paradigms	Chalk and Talk, PPT	32				
33	8/5/26	Programming Support for Google App Engine, Programming on Amazon AWS and Microsoft	Chalk and Talk, PPT	33				
34	15/5/26	Emerging Cloud Software Environments	Chalk and Talk, PPT	34				

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

	Activity	Planned	Actual	Remarks
1	Theory Classes	34		
2	Assignments/ Quizzes/Self-study	3		
3	Tutorials/ Extra classes	6		
4	Internal Assessments	03		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	