

LESSON PLAN

Semester:6th		Year:3rd	Course: B.Tech
		Sub: Cloud Computing	Total Credit:03
Branch : CSE		Sub Code : RCS6D003	
Name of the Faculty:		Pratyush Ku. Sarangi	
Designation :		Lecturer	
Department :		CSE	
Session		2024-25	
Recommended Books		Text book:	
		1 1. Kai Hwang, Geoffrey C. Fox and Jack J. Dongarra, “Distributed and Cloud	
		2 2. Barrie Sosinsky, “Cloud Computing Bible” John Wiley & Sons, 2010	
		Reference Books:	
		1 4. P. K. Pattnaik, M. R. Kabat and S. Pal, Fundamentals of Cloud Computing, Vikas Publishing House Pvt. Ltd., 2015.	
2 3. R. Buyya, C. Vecchiola and S. Thamarai Selvi, Mastering Cloud Computing: Foundations and Applications Programming, Morgan Kaufmann, Elsevier, 2013.			
Sl. No.	Lecture No.	Topics to be covered	No. of Classes
MODULE-1			
1	Lecture-01	Evolution of Computing Paradigms - Overview of Existing Hosting Platforms	8
2	Lecture-02	Grid Computing, Utility Computing	
3	Lecture-03	Autonomic Computing	
4	Lecture-04	Dynamic Data center Alliance, Hosting / Outsourcing	
5	Lecture-05	Introduction to Cloud Computing	
6	Lecture-06	Workload Patterns for the Cloud	
7	Lecture-07	Big Data	
8	Lecture-08	IT as a Service, Technology Behind Cloud Computing	
MODULE-2			
9	Lecture-09	A Classification of Cloud Implementations	10
10	Lecture-10	Amazon Web Services - IaaS	
11	Lecture-11	The Elastic Compute Cloud (EC2)	
12	Lecture-12	The Simple Storage Service (S3)	
13	Lecture-13	The Simple Queuing Services (SQS)	
14	Lecture-14	VMware vCloud - IaaS	
15	Lecture-15	vCloud Express	
16	Lecture-16	Google AppEngine - PaaS	
17	Lecture-17	The Java Runtime Environment	
18	Lecture-18	The python runtime environment	
MODULE-3			
19	Lecture-19	The datastore	
20	Lecture-20	Windows azure platform-PaaS	
21	Lecture-21	Windows azure appfabric	
22	Lecture-22	salesforce.cpm-saas,paas	
23	Lecture-23	force database	
24	Lecture-24	Data security	
25	Lecture-25	Microsoft office live	

26	Lecture-26	Google apps	9
27	Lecture-27	A comarision of cloud computing platform	
MODULE-4			
28	Lecture-28	common building blocks	8
29	Lecture-29	SQL Azure	
30	Lecture-30	Development workflow	
31	Lecture-31	Clod security	
32	Lecture-32	Infrastructure security	
33	Lecture-33	Identity and access management security	
34	Lecture-34	Audit and compliance	
35	Lecture-35	LiveMesh.com	

Signature of Faculty Member

Signature of HOD

PRINCIPAL