

Lesson Plan Schedule: From 01.09.2023 to 15.12.2023 (15 Weeks)

Name of Teacher : Pooja
Discipline : Computer Engg.
Semester : 5th
Subject : Cloud Computing

Work load (Lecture/Practical) per week (in hours): Lectures-03, Practicals-06

Week	Lecture /Day	Theory Topic Covered (Including assignment/test)	Practical /Week	Practical Performed
1	1	Evolution of Cloud Computing	G1 /G2	Introduction to Cloud Vendors: Amazon, Microsoft, IBM.
	2	Evolution of Cloud Computing		
	3	Cloud Computing Overview		
2	1	Characteristics	G1 /G2	Introduction to Cloud Vendors: Amazon, Microsoft, IBM.
	2	Applications		
	3	Benefits and Challenges.		
3	1	Interaction on topics covered	G1 /G2	Introduction to Cloud Vendors: Amazon, Microsoft, IBM.
	2	Cloud Computing Service Models		
	3	Infrastructure as a Service, Platform as a Service, Software as a Service		
4	1	Cloud Computing Deployment Models	G1 /G2	Setting up Virtualization using Virtual box/VM Ware Hypervisor
	2	Private Cloud and Public Cloud		
	3	Community Cloud and Hybrid Cloud		
5	1	Major Cloud Service providers	G1 /G2	Setting up Virtualization using Virtual box/VM Ware Hypervisor
	2	Seminar		
	3	Assignment-1		
6	1	Sessional Test-1	G1 /G2	Introduction to Own Cloud
	2	Overview of SLA		
	3	Types of SLA		
7	1	SLA Life Cycle	G1 /G2	Introduction to Own Cloud
	2	SLA Management Process		
	3	Overview of Virtualization		
8	1	Types of Virtualization	G1 /G2	Installation and configuration of Own Cloud software for SaaS
	2	Types of Virtualization explained		
	3	Benefits of Virtualization		
9	1	Hypervisors	G1 /G2	Installation and configuration of Own Cloud software for SaaS
	2	Seminar		
	3	Assignment-2		

10	1	Sessional Test-2	G1 /G2	Accessing Microsoft AZURE cloud-services
	2	Infrastructure Security		
	3	Data Security & Privacy Issues		
11	1	Legal Issues in Cloud Computing	G1 /G2	Accessing Microsoft AZURE cloud-services
	2	Legal Issues in Cloud Computing		
	3	Storage as a Service		
12	1	Benefits and Challenges	G1 /G2	Cloud Simulation Software Introduction: Cloud Sim
	2	Storage Area Networks (SANs).		
	3	Scheduling problem		
13	1	Different types of scheduling	G1 /G2	Cloud Simulation Software Introduction: Cloud Sim
	2	Different types of scheduling		
	3	Scheduling for independent tasks		
14	1	Scheduling for dependent tasks Static vs. Dynamic scheduling	G1 /G2	Practice on Lab Practical
	2	Assignment-3		
	3	Sessional Test-3		
15	1	Seminar	G1 /G2	Practice on Lab Practical
	2	Interaction on Syllabus Topics		
	3	Revision		