

Name of the Faculty : Madhu Madhan
Department : Computer Engineering
Semester : 5th
Subject : Cloud computing
Lesson Plan Duration : 15 weeks

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

Week	Theory		Practical	
	Lecture day	Topic (Including assignment / test)	Practical Day	Topic
1st	1 st	I. Introduction to Cloud Computing	1	Introduction to Cloud Vendors
	2 nd	Overview of Cloud Computing		
	3 rd	Evolution of Cloud computing	2	Introduction to Cloud Vendors
2nd	1st	Characteristics of Cloud Computing	1	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
	2nd	Applications of Cloud Comp.		
	3rd	Benefits of Cloud Comp.	2	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
3rd	1st	Challenges of Cloud Comp.	1	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
	2nd	Seminar of 1st Chapter		
	3rd	II Service and Deployment Models Service Models : Overview	2	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
4th	1st	Infrastructure As A Service	1	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
	2nd	Platform As A Service		
	3rd	Software As A Service	2	Setting up Virtualization using Virtualbox/ VMWare Hypervisor
5th	1st	Cloud Computing Deployment Models: Overview	1	Introduction to OwnCloud
	2nd	Private Cloud		
	3rd	Public Cloud	2	Introduction to OwnCloud
6th	1st	Hybrid Cloud	1	Introduction to OwnCloud
	2nd	Community Cloud		
	3rd	Major Cloud Service Providers	2	Introduction to OwnCloud
7th	1st	Seminar of 2 nd chapter	1	Installation and configuration of OwnCloud software for SaaS
	2nd	3. Service Level Agreement Management : Overview of SLA		
	3rd	Types of SLA	2	Installation and configuration of OwnCloud software for SaaS
8th	1st	Types of SLA	1	Installation and configuration of OwnCloud software for SaaS
	2nd	SLA lifecycle		
	3rd	SLA management Process	2	Installation and configuration of OwnCloud software for SaaS
9th	1st	Seminar and 1 st Sessional	1	Accessing Microsoft AZURE
	2nd	4. Virtualization Concepts : Overview		
	3rd	Types of Virtualization	2	Accessing Microsoft AZURE
10th	1st	Benefits of Virtualization	1	cloud services

	2nd	Hypervisors	2	cloud services
	3rd	5. Cloud Security: Overview		

