Lesson Plan

Name Of Faculty **: Ravinder Sheoran**
Discipline   **: Computer Engg.**
Semester   **: Vth**
Subject   **:Cloud Computing**
Lesson Plan Duration: 16 Weeks

Work Load (Lecture / Practical) per week (In hours): Lecture-3, Practical-3)

WEEK NO.	DAY	THEORY TOPIC COVERED	WEEK NO.	PRACTICAL DONE
1	1	Evolution of Cloud Computing	1	Introduction to Cloud Vendors: Amazon, Microsoft, IBM.
	2	Evolution of Cloud Computing		
	3	Cloud Computing Overview		
2	1	Characteristics	2	
	2	Applications		
	3	Benefits and Challenges.		
3	1	Revision	3	
	2	Cloud Computing Service Models		
	3	Infrastructure as a Service		
4	1	Platform as a Service, Software as a Service;	4	Setting up Virtualization using Virtual box/VMWare Hypervisor
	2	Cloud Computing Deployment Models		
	3	Private Cloud and Public Cloud		
5	1	Community Cloud and Hybrid Cloud	5	
	2	Major Cloud Service providers		
	3	Seminar and Assignment		
6	1	Test	6	Introduction to Own Cloud
	2	Overview of SLA		
	3	Types of SLA		
7	1	SLA Life Cycle	7	
	2	SLA Management Process		
	3	Revision and Seminar		
8	1	Test	8	Installation and configuration of OwnCloud software for SaaS
	2	Overview of Virtualization		
	3	Types of Virtualization		
9	1	Types of Virtualization	9	
	2	Benefits of Virtualization		
	3	Hypervisors		
10	1	Revision and seminar	10	Accessing Microsoft AZURE cloud-services
	2	Assignment		
	3	Test		
11	1	Infrastructure Security	11	
	2	Data Security & Privacy Issues		
	3	Legal Issues in Cloud Computing		
12	1	Legal Issues in Cloud Computing	12	Cloud Simulation Software Introduction: Cloud Sim
	2	Storage as a Service		
	3	Benefits and Challenges		
13	1	Storage Area Networks (SANs).	13	
	2	Scheduling problem		
	3	Different types of scheduling		
14	1	Different types of scheduling	14	Revision of practical
	2	Scheduling for independent tasks		
	3	Scheduling for dependent tasks		

15	1	Scheduling for independent and dependent tasks	15	Viva Voice
	2	Scheduling for independent and dependent tasks		
	3	Static vs. Dynamic scheduling		
16	1	Static vs. Dynamic scheduling	16	
	2	Assignment And Revision		
	3	3rd Sessional		