

Lesson Planning

Name of Faculty : Mrs Neelam Rani
Dicipline : Computer Engg..
Subject : Cloud computing
Lesson Plan duration :15 Weeks (From 20 August 2024Onwards)
Work load (Lecture/Practical) per week (in hours): Lectures-02,Practicals-04

Week	Theory		Practical	
	Lecture day	Topic(Including assignment/test)	Practical Day	Topic
1	1	Evaluation of cloud computing	1	Introduction to cloud vendors: Amazon, microsoft, IBM
	2	Cloud computing overview, Characteristics, Application		
2	3	Benefits of cloud computing	2	practical repeatedsame as above
	4	challenges of cloud computing, Revision, class test		
3	5	Cloud computing service models: Iaas, Paas, Saas	3	Settingup virtualization usingvirtual boc/ vmware hypervisor
	6			
4	7,8	cloud computing deployment models: Public, Private, Hybrid, community	4	practical repeatedsame as above
5	9	Comparison of cloud deployment models	5	Introduction to owncloud
	10	Assignment Revision, class test		
6	11	Overview of SLA	6	practical repeatedsame as above
	12	Types of SLA, Life cycle		
7	13	SLA management process	7	installation and configuration of own cloud
	14	Revision, class test		
8	15	Overview of virtualization	8	practical repeatedsame as above
	16	types of virtualization, Benefits		
9	17	Hypervisors		installation and configuration of owncloud for Saas
	18	Revision, class test		
10	19	Infrastructure security	10	practical repeatedsame as above
	20	Data security, privacy issues in cloud computing		
11	21	Legal issues in cloud computing	11	Accessing MicrosoftAZURE services
	22	Revision, class test		
12	23	Storage as a service	12	practical repeatedsame as above
	24	benefits and challenges, Storageas a network		
13	25	Assignment	13	cloud simulation software introduction:cloud sim
	26	Revision, class test		
14	27	Different types of scheduling includ	14	practical repeatedsame as above

	28	overview of the problems of scheduling, scheduling for independent and dependent tasks		
15	29	Static vs Dynamic scheduling	15	practical repeated same as above
	30	Assignment, Revision		