

LESSON PLAN

Name of Faculty : Er. Anju Godara
Discipline : CSE
Semester : 7th
Subject : Cloud Computing Lesson Plan(PE/CSE/10-T)
Work Load : (Lecture/Practical) per week (in hours):Lectures 03 hours

Theory		Topic Covered Date and Remarks		
Lecture Day	Topic (Including Assignment/Test)	Date	Hod	Director-principal
1	Introduction to cloud computing			
2	Distributed computing			
3	Cluster computing , grid computing			
4	Overview of cloud computing			
5	History of cloud computing 1			
6	Define a cloud			
7	Benefits of cloud computing			
8	Cloud computing architecture			
9	Services models(XaaS)			
10	Infrastructure as a Service			
11	Platform as a service			
12	Software as a Service			
	FIRST MINOR TEST			
13	Deployment models			
14	Public cloud and private cloud			
15	Hybrid cloud			
16	Community cloud			
	ASSIGNMENT 1			
17	Dynamic Provisioning and Resource management			
18	Virtualization			
19	Characteristics of virtualized environment			
20	Taxonomy of virtualization Tech.			
21	Pros and Cons of virtuakization			
22	Xen			
23	VMware			
24	Hyper-V			
	SECOND MINOT TEST			
25	Cloud platform in industry			
26	Amazon web services			
27	Compute these services			
	ASSIGNMENT 2			
28	Storage services			
29	Communication services and additional services			
30	Google App Engine			
31	Arch. And core concepts			
32	Cost model			
33	Microsoft Azure-Azure core concepts			
34	SQL Azure			
35	Windows azure platform Appliance			
36	Cloud applications and scientific applications			
37	ECG analysis in cloud			
39	Protein structure prediction			
40	Gene expression data analysis for cancer diagnosis			
41	Satellite image processing			
42	Business and consumer application CRM and ERP			
43	Productivity and social networking			
44	Media application and multiplayer online gaming			
	THIRD MINOR TEST			