

### Lesson Plan

Name of Faculty : Er. Anju Godara (AP CSE)  
 Discipline : CSE  
 Semester : 7th  
 Subject : Cloud Computing  
 Work Load (Lecture/Practical) per week (in hours): Lectures 03 hrs.

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			
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			
13	Deployment models			
14	Public cloud and private cloud			
15	Hybrid cloud			
16	Community cloud			
17	Dynamic Provisioning and Resource management			
18	Virtualization			
19	Characteristics of virtualized environment			
20	Taxonomy of virtualization Tech.			
21	Pros and Cons of virtualization			
22	Xen			
23	VMware			
24	Hyper-V			
25	Cloud platform in industry			
26	Amazon web services			
27	Compute these services			
	-----Ist Minor Test-----			
28	Storage services			
29	Communication services and additional services			
30	Google App Engine			
31	<b>Arch. And core concepts</b>			
32	Application life cycle			
33	Cost model			
34	Microsoft Azure-Azure core concepts			
35	SQL Azure			
36	Windows azure platform Appliance			
37	Cloud applications and scientific applications			
38	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			
	----- 2 <sup>nd</sup> Minor test-----			
43	Productivity and social networking			
44	Media application and multi-player online gaming			
45	Cloud security			