Lesson Plan

Name of faculty : Krishan Singh
Discipline : Computer Engineering
Semester : 5
Subject : Cloud Computing
Lesson Plan Duration : 15 Weeks
Work Load (Lecture/ Practical) per week (in hours): Lectures-03

Week	Theory		Practical	
	Lecture day	**Topic (including assignment / test)**	**Practical day**	**Topic**
1st	1st	Evolution of Cloud Computing		-
	2nd	Cloud Computing Overview		
	3rd	Cloud Computing Overview		
2nd	4th	Characteristics,		-
	5th	Applications,		
	6th	Benefits, Challenges		
3rd	7th	Cloud Computing Service Models: Infrastructure as a Service		-
	8th	Platform as a Service, Software as a Service		
	9th	Cloud Computing Deployment Models: Private Cloud		
4th	10th	Public Cloud		-
	11th	Community Cloud, Hybrid Cloud		
	12th	Major Cloud Service providers		
5th	13th	Overview of SLA		-
	14th	Types of SLA		
	15th	SLA Life Cycle		
6th	16th	SLA Management Process		-
	17th	Overview of Virtualization		
	18th	Overview of Virtualization		
7th	19th	Types of Virtualization		-
	20th	Types of Virtualization		
	21st	Types of Virtualization		
8th	22nd	Benefits of Virtualization		-

	23rd	Hypervisors		
	24th	Hypervisors		
9th	25th	Cloud Security		-
	26th	Infrastructure Security		
	27th	Data Security		
10th	28th	Data Security Issues		-
	29th	Privacy Issues		
	30th	Legal Issues in Cloud Computing		
11th	31st	Cloud Storage		-
	32nd	Overview		
	33rd	Storage as a Service		
12th	34th	Benefits		-
	35th	Challenges		
	36th	Storage Area Networks (SANs)		
13th	37th	Scheduling in Cloud		-
	38th	Overview of Scheduling problem		
	39th	Different types of scheduling		
14th	40th	Different types of scheduling		-
	41st	Scheduling for independent tasks		
	42nd	Scheduling for independent tasks		
15th	43rd	Scheduling for dependent tasks		-
	44th	Scheduling for dependent tasks		
	45th	Static vs. Dynamic scheduling		