

Government Polytechnic, Hisar

Lesson plan (Odd Semester)

Name of Faculty	Sunil Soni
Discipline	Computer Engg.
Semester	Vth
Subject	Cloud Computing
Work Load(Per Week)	Lecture-3, Practical-

Week	Theory		Practical	
	Lecture Day	Topic	Practical day	Topic
1st	1st	Unit 1-- Introduction Evolution of Cloud Computing	1st	Introduction to Cloud Vendors: Amazon, Microsoft, IBM
	2nd	Cloud Computing Overview, Characteristics		
	3rd	Applications, Benefits		
2nd	4th	Challenges of Cloud Computing	2nd	Revision
	5th	Revision		
	6th	Unit2-- Service and Deployment Models		
3rd	7th	Cloud Computing Service Models: Infrastructure as a Service	3rd	Setting up Virtualization using Virtualbox/VMWare Hypervisor
	8th	Platform as a Service, Software as a Service		
	9th	Cloud Computing Deployment Models, Private Cloud		
4th	10th	Public Cloud, Community Cloud, Hybrid Cloud	4th	Revision and File Check
	11th	Major Cloud Service providers		
	12th	Assignment & Revision		
5th	13th	Unit 3--Service Level Agreement (SLA) Management Overview	5th	Introduction to OwnCloud
	14th	Types of SLA, SLA Life Cycle		
	15th	SLA Management Process.		
6th	16th	Class test	6th	File Checking and Revision
	17th	Unit 4-- Virtualization Concepts Overview		
	18th	Types of Virtualization		
7th	19th	Types of Virtualization	7th	Installation and configuration of OwnCloud software for SaaS
	20th	Benefits of Virtualization		
	21st	Hypervisors		
	22nd	Revision		
	23rd	Assignment		

8th	24th	Unit 5-- Cloud Security- Introduction	8th	Viva/ Class Test
9th	25th	Infrastructure Security	9th	Accessing Microsoft AZURE cloud-services
	26th	Data Security & Privacy Issues		
	27th	Data Security & Privacy Issues		

10th	28th	Legal Issues in Cloud Computing.	10th	File Checking and Revision
	29th	Class Test		
	30rd	Unit 6-- Cloud Storage Overview		
11th	31st	Storage as a Service	11th	File Checking and Revision
	32nd	Benefits and Challenges		
	33rd	Storage Area Networks (SANs).		
12th	34th	Revision	12th	Cloud Simulation Software Introduction: CloudSim
	35th	Unit7-- Scheduling in Cloud		
	36th	Overview of Scheduling problem		
13th	37th	Different types of scheduling	13th	Revision
	38th	Scheduling for independent and dependent tasks		
	39th	Scheduling for independent and dependent tasks		
14th	40th	Static vs. Dynamic scheduling	14th	File Checking
	41st	Revision		
	42nd	Assignment		
15th	43rd	Revision	15th	Viva
	44th	Class test		
	45th	Revision		