G.G.N.J. Govt.Polytechnic, Jhajjar
Lesson Plan

Name of the Faculty :   SHAKTI RAJ SINGH
Discipline   :   ComputerEngineering
Semester   :   5th
Subject   :   Cloud Computing
Lesson Plan Duration: 16weeks (04.08.25 to 26.11.25), Periods/Week -L-2, P-2

Week	Theory			Practical	
	Day	Topic		Day	Topic (2 practical/week)
1st	1st	Evolution of Cloud Computing		1st	Introduction to Cloud Vendors: Amazon, Microsoft, IBM.
	2nd	Cloud Computing Overview, Characteristics			
2nd	3rd	Benefits, Challenges, Applications,		2nd	Setting up Virtualization using Virtualbox/VMWare Hypervisor
	4th	Major Cloud Vendors/Service Provider in the world.			
3rd	5th	Cloud Computing Service Models: Infrastructure as a Service		3rd	Setting up Virtualization using Virtualbox/VMWare Hypervisor
	6th	Platform as a Service, Software as a Service,			
4th	7th	Cloud Computing Deployment Models: Private Cloud;		4th	Introduction to Own Cloud and its features.
	8th	Public Cloud, Community Cloud			
5th	9th	Hybrid Cloud, Major Cloud Service providers		5th	Introduction to Own Cloud and its features
	10th	Overview of SLA			
6th	11th	Types of SLA		6th	Installation and configuration of Own Cloud software for SaaS
	12th	SLA Life Cycle			
7th	13th	SLA Management Process.		7th	Installation and configuration of Own Cloud software for SaaS
	14th	Overview of Virtualization			
8th	15th	Types of Virtualization		8th	Installation and configuration of Own Cloud software for SaaS
	16th	Benefits of Virtualization			
				9th	Installing Open Source Cloud simulation software Cloud Sim.
9th	17th	Hypervisors and its types			
	18th	Storage as a Service			
10th	19th	Benefits and Challenges		10th	Installing Open Source Cloud simulation software Cloud Sim.
	20th	Storage Area Networks (SANs)			
11th	21st	Infrastructure Security		11th	Installing Open Source Cloud simulation software Cloud Sim.
	22nd	Network Level Security			
12th	23rd	Data Security & Privacy Issues		12th	Installing Open Source Cloud simulation
	24th	Legal Issues in Cloud Computing.			

					software Cloud Sim.
13th	25th	Revision			Revision
	26th	Revision			
14th	27th	Revision			Revision
	28th	Revision			
15th	29th	Revision			Revision
	30th	Revision			
16th	31st	Revision			Revision
	32nd	Revision			