

# Lesson Plan

Discipline : **Computer Engg.**

Semester : **Vth**

Subject : **Cloud Computing**

Lesson Plan Duration: Aug 2024 to Dec 2024

WorkLoad(Lecture/Practical)perweek(Inhours):Lecture-3,Practical-2)

Week	Theory		Practical	
	Lecture Day	Topic(Including Assignment/Test)	Practical Day	Topic
1	1	EvolutionofCloudComputing	1	IntroductiontoCloudVendors: Amazon, Microsoft, IBM
	2	CloudComputingOverview		
	3	Characteristics of CloudComputing		
2	1	ApplicationsandBenefitsofCC	2	IntroductiontoCloudVendors: Amazon, Microsoft, IBM
	2	ChallengesofCC		
	3	AssignmentAndRevision		
3	1	CloudComputingServiceModels	3	IntroductiontoCloudVendors: Amazon, Microsoft, IBM
	2	InfrastructureasaService		
	3	Platformas a Service		
4	1	Software as a Service	4	SettingupVirtualizationusingV irtualbox/VMWareHypervisor
	2	CloudComputingDeploymentModels		
	3	PrivateCloud;PublicCloud,CommunityCloud		
5	1	HybridCloud,MajorCloudServiceproviders.	5	SettingupVirtualizationusingV irtualbox/VMWareHypervisor
	2	AssignmentAndRevision		
	3	OverviewofSLA		
6	1	TypesofSLA	6	VivaVoice
	2	SLALife Cycle		
	3	SLAManagement Process		
7	1	OverviewofVirtualization	7	IntroductiontoOwnCloud
	2	AssignmentAndRevision		
	3	1stSessional		
8	1	TypesofVirtualization	8	Installation and configuration of OwnCloud software for SaaS
	2	TypesofVirtualization		
	3	BenefitsofVirtualization		
9	1	Hypervisors	9	Installation and configuration of OwnCloud software for SaaS
	2	AssignmentAndRevision		
	3	InfrastructureSecurity		
10	1	DataSecurity&PrivacyIssues	10	VivaVoice
	2	DataSecurity&PrivacyIssues		
	3	LegalIssuesinCloud Computing		
11	1	LegalIssuesinCloud Computing	11	Accessing Microsoft AZURE cloud-services
	2	AssignmentAndRevision		
	3	2ndSessional		
12	1	CloudStorageOverview	12	Accessing Microsoft AZURE cloud-services
	2	Storageas a Service		
	3	Benefitsand Challenges		
13	1	StorageAreaNetworks (SANs)	13	Cloud Simulation Software Introduction: CloudSim
	2	AssignmentAndRevision		
	3	OverviewofSchedulingproblem		
14	1	Differenttypesofscheduling	14	Cloud Simulation Software Introduction: CloudSim
	2	Differenttypesofscheduling		
	3	Differenttypesofscheduling		

15	1	Schedulingfor independentand dependenttasks	15	VivaVoice
	2	Schedulingfor independentand dependenttasks		
	3	Staticvs.Dynamicscheduling		
16	1	Staticvs.Dynamicscheduling	16	
	2	AssignmentAndRevision		
	3	3rdSessional		