



GANAPATI INSTITUTE OF ENGINEERING AND TECHNOLOGY(POLYTECHNIC)
Mathasahi , Jagatpur , Cuttack - 754200

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
LESSON PLAN

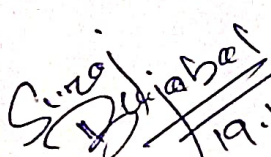
Session (2025-2026)

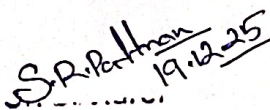
Discipline: Computer Science&Engineering	Semester:6 th , Summer/2025	NameoftheTeaching Faculty: Mr. Suraj kumar Bhujbal
Subject:Cloud Computing Theory-03	No.Of Days/Week:04	StartDate:22.12.2025 EndDate:18.04.2026


Week	ClassDay	TheoryTopics
1st	1st	Unit-1:Introduction to Cloud Computing Historicaldevelopment
	2nd	VisionofCloud Computing
	3rd	CharacteristicsofCloudcomputing
	4th	CharacteristicsofCloudcomputing
2nd	1st	Unit-2:Cloud Computing Architecture Introduction CloudReferenceModel
	2nd	TypesofClouds
	3rd	CloudInteroperabilityandstandards CloudcomputingInteroperabilityusecases
	4th	RoleofstandardsinCloudComputing environment
3rd	1st	Unit-3:Scalability and FaultTolerance Introduction ScalabilityandFaultTolerance Cloud solutions CloudEcosystem
	2nd	CloudBusinessprocessmanagement Portability and Interoperability CloudServicemanagement
	3rd	TestingunderControl CloudOfferings
	4th	Cloud service Controls VirtualdesktopInfrastructure
4th	1st	Unit-4:Cloud Management and Virtualization Technology Create a virtualized Architecture.

	2nd	Cisco DataCentre Network architecture
	3rd	Storage Provisioning Asset Management Concep tof Map Reduce Cloud Governance
	4th	LoadBalancing High Availability DisasterRecovery
	5th	1st
	2nd	Desktop and ApplicationVirtualisation NetworkVirtualisation
	3rd	LocaldesktopVirtualisation Desktopasa service
	4th	QUIZTEST
	6th	1st
	2nd	Block and File level StorageVirtualisation
	3rd	VirtualMachineMonitor
	4th	InfrastructureRequirements
	7th	1st
	2nd	Unit-6:Cloud Security CloudSecurityFundamentals
	3rd	Cloudsecurityservices
	4th	Cloudsecurityservices
	8th	1st
	2nd	SecureCloudsoftwarerequirements
	3rd	PolicyImplementation
	4th	CloudComputingSecurityChallenges
	9th	1st
	2nd	ArchitecturalConsiderations
	3rd	InformationClassification
	4th	VirtualPrivateNetworks
	10th	1st
	2nd	Digitalcertificates
	3rd	Keymanagement
	4th	MemoryCards

11th	1st	Implementing Identity Management
	2nd	Controls and Autonomic System
	3rd	Unit-8: Market Based Management of Clouds
	4th	Cloud Information security vendors
12th	1st	Cloud Federation, characterization
	2nd	Cloud Federation stack
	3rd	Third Party Cloud service
	4th	Case study
13th	1st	Unit-9: Hadoop
	2nd	Introduction
	3rd	Data Source
	4th	Data storage and Analysis
14th	1st	Comparison with other system
	2nd	Quiz Test
	3rd	Revision
	4th	Revision
15th	1st	Discussion of Question Answer
	2nd	Discussion of Question Answer
	3rd	Discussion of Question Answer
	4th	Discussion of Question Answer


 Sign of faculty
 19.12.25


 Sign of Sr. Lect.
 19.12.25


 Sign of Principal
 19.12.25
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