LESSON PLAN FOR SUMMER 2024

Discipline: Information Technology	Semester : 6th	Name of the Teaching faculty: Pranati Pattanaik
Subject :	No.of Days/per week class allotted : 04	Semester from date : 16/01/2021 to 26/04/2024
Cloud Computing	Class Day	No. of weeks : 15
		Theory / Practical Topics
January 3rd	16-01-2024	Historical development , Vision of Cloud Computing
	17-01-2024	Characteristics of Cloud computing ,Cloud computing Reference model
	18-01-2024	Cloud computing environment
January 4th	22-01-2024	Cloud Service requirements, Cloud and Dynamic Infrastructure
	24-01-2024	Cloud Adoption,Cloud applications Introduction
	25-01-2024	Cloud Reference model
January 5th	29-01-2024	Types of Clouds Cloud Interoperability
	30-01-2024	Cloud standards
	31-01-2024	Cloud computing Interoperability use cases
February 1st	01-02-2024	Role of standards in Cloud Computing environment
February 2nd	05-02-2024	Question Answer Discussion/Quiz
	06-02-2024	Introduction Scalability
	07-02-2024	Fault Tolerance, Cloud solutions
	08-02-2024	Cloud Ecosystem Cloud Business process management
February 3rd	12-02-2024	Portability and Interoperability
	13-02-2024	Cloud Service management
	15-02-2024	Cloud Offerings ,Testing under Control
February 4th	19-02-2024	Cloud service Controls
	20-02-2024	Virtual desktop Infrastructure
	21-02-2024	Create a virtualised Architecture
	22-02-2024	Data Centre Resilience
February 5th	26-02-2024	Agility Cisco Data Centre Network architecture
	27-02-2024	Storage , Provisioning Asset Management
	28-02-2024	Concept of Map Reduce , Cloud
	29-02-2024	Goverance , Load Balancing
March 1st		No Class
March 2nd	04-03-2024	High Availability , Disaster Recovery
	06-03-2024	Virtualisation,Network Virtualization
	07-03-2024	Desktop and Application Virtualization,Desktop as a service
March 3rd	11-03-2024	Local desktop Virtualization,Virtualization benefits
	12-03-2024	Server Virtualization
	13-03-2024	Block and File level Storage Virtualization
	14-03-2024	Virtual Machine Monitor,Infrastructure Requirements
March 4th	18-03-2024	VLAN and VSAN Cloud Security Fundamentals
	19-03-2024	Cloud security services ,Design Principles
	20-03-2024	Secure Cloud software requirements,
	21-03-2024	Policy Implementation ,Cloud Computing Security Challenges
March 5th	27-03-2024	Architectural Considerations
	28-03-2024	Information Classification
April 1st	02-04-2024	Virtual Private Networks
	03-04-2024	Public Key and Encryption Key management
	04-04-2024	Digital certificates,Key management
April 2nd	08-04-2024	Memory Cards, Implementing Identity Management
	09-04-2024	Controls and Autonomic System
	10-04-2024	Cloud Information security vendors
April 3rd	15-04-2024	Cloud Federation,Characterization
	16-04-2024	Cloud Federation stack
	18-04-2024	Third Party Cloud service, Case study,
April 4th	22-04-2024	Hadoop Introduction
	23-04-2024	Data Source
	24-04-2024	Data storage and Analysis
	25-04-2024	REVISION

12/1/2024

SIGNATURE OF THE FACULTY