



**SWAMI VIVEKANANDA SCHOOL OF ENGINEERING & TECHNOLOGY**  
**LESSON PLAN (SUMMER 2024)**

Discipline- Computer Science & Engineering	Semester-6th	Faculty Name- Monalisa Swain
Subject- Cloud Computing	No of days/ per week class allotted-4	Semester from date- 16/01/2024 to 26/04/2024 No of weeks-17
Week	Class day	Theory Topics
JAN 3RD	16.01.2024	Introduction To Cloud Computing, Historical development
	17.01.2024	Vision of Cloud Computing
	19.01.2024	Characteristics of Cloud computing
JAN 4TH	22.01.2024	Cloud computing Reference mode
	23.01.2024	Cloud computing environment
	24.01.2024	Cloud Service requirements
JAN 5TH	29.01.2024	Cloud and Dynamic Infrastructure
	30.01.2024	Cloud Adoption, Cloud applications
	31.01.2024	Cloud Computing Architecture
FEB 1ST	02.02.2024	Introduction, Cloud Reference Model
FEB 2ND	05.02.2024	Types of Clouds
	06.02.2024	Cloud Interoperability and standards
	07.02.2024	Cloud computing Interoperability use cases
	09.02.2024	Role of standards in Cloud Computing environment
FEB 3RD	12.02.2024	Scalability and Fault Tolerance
	13.02.2024	Scalability and Fault Tolerance
	16.02.2024	Cloud solutions, Cloud Ecosystem
FEB 4TH	19.02.2024	Cloud Business process management
	20.02.2024	Portability and Interoperability
	21.02.2024	Cloud Service management
	23.02.2024	Cloud Offerings
FEB TH	26.02.2024	Testing under Control
	27.02.2024	Cloud service Controls
	28.02.2024	Virtual desktop Infrastructure
MAR 1ST	01.03.2024	Cloud Management and Virtualisation Technology
MAR 2ND	04.03.2024	Create a virtualised Architecture
	05.03.2024	Data Centre, Agility
	06.03.2024	Cisco Data Centre Network architecture
	08.03.2024	Storage, Provisioning
MAR 3RD	11.03.2024	CLASS TEST
	12.03.2024	Asset Management
	13.03.2024	Concept of Map Reduce
	15.03.2024	Cloud Governance, Load Balancing
MAR 4TH	18.03.2024	High Availability
	19.03.2024	Disaster Recovery
	20.03.2024	Virtualisation
	22.03.2024	DOUBT CLEARING CLASS
MAR 5TH	25.03.2024	Network Virtualisation
	26.03.2024	Desktop and Application Virtualisation
	27.03.2024	Desktop as a service
	29.03.2024	Local desktop Virtualisation
APR 1ST	01.04.2024	Virtualisation benefits, Server Virtualisation
	02.04.2024	Block and File level Storage Virtualisation
	03.04.2024	Virtual Machine Monitor
	05.04.2024	Infrastructure Requirements
APR 2ND	08.04.2024	VLAN and VSAN, Cloud Security
	09.04.2024	Cloud Security Fundamentals, Cloud security services
	10.04.2024	. Design Principles
	12.04.2024	Secure Cloud software requirements, Policy Implementation

APR 3RD	15.04.2024	Cloud Computing Security Challenges
	16.04.2024	Architectural Considerations
	17.04.2024	Information Classification, Virtual Private Networks
	18.04.2024	Public Key and Encryption Key management
	19.04.2024	Digital certificates, Key management
	20.04.2024	Memory Cards, Implementing Identity Management
APR 4TH	22.04.2024	Controls and Autonomic System, Cloud Information security vendor
	23.04.2024	Cloud Federation, characterization
	24.04.2023	Cloud Federation stack, Third Party Cloud service
	25.04.2024	Case study, Hadoop-Introduction, Data Source
	26.04.2024	Data storage and Analysis, Comparison with other system

Total no. of Classes: 60  
 No. of Theory Classes: 40  
 No. of Tutorial Classes: 10  
 No. of Digital Classes: 5  
 No. of PPT Classes: 5

  
 14/01/24  
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Computer Science & Engineering  
 S.V.S.E.T., Madanpur

  
 DEAN (ACADEMICS)

DEAN ACADEMICS  
 SVSET, MADANPUR

  
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Swami Vivekananda School of Engg. & Tech.  
 Madanpur, BBSR