

BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSON PLAN/SEMESTER:- 6th/CSE

SUBJECT:- CLOUD COMPUTING

NAME OF THE FACULTY :-SHUBHASHISH DAS

SL. No.	Month /No .of academic days available for the subject	DATE	TOPICS TO BE COVERED	NO. OF CLASSES AVAILABLE AS PER SYLLABUS	NO. OF CLASSES AVAILABLE AS PER LESSON PLAN
01	FEB-2023(08)	20/02/23	1. Introduction To Cloud Computing 1.1. Historical development 1.4. Cloud computing Reference model	05	04
		21/02/23	1.2. Vision of Cloud Computing 1.3. Characteristics of Cloud computing		
		22/02/23	1.4. Cloud computing Reference model 1.5. Cloud computing environment		
		23/02/23	1.6. Cloud Service requirements 1.7. Cloud and Dynamic Infrastructure 1.8. Cloud Adoption 1.9. Cloud applications		
		24/02/23	2.Cloud Computing Architecture 2.1. . Introduction	08	05
		25/02/23	2.2. Cloud Reference Model 2.3. Types of Clouds		
		27/02/23	2.4. Cloud Interoperability and standards Introduction 2.5. Cloud computing Interoperability use cases		
		28/02/23	2.6. Role of standards in Cloud Computing environment		
			REVISION		

SL. No.	Month /No .of academic days available for the subject	DATE	TOPICS TO BE COVERED		
02	MAR-2023(23)	01/03/23	3.Scalability and Fault Tolerance 3.1. Introduction 3.2. Scalability and Fault Tolerance	08	06
		02/03/23	3.3. Cloud solutions 3.4. Cloud Ecosystem		
		03/03/23	3.5. Cloud Business process management		
		04/03/23	3.6. Portability and Interoperability		
		06/03/23	3.7. Cloud Service management		
		09/03/23	3.8. Cloud Offerings 3.9. Testing under Control		
		10/03/23	3.10. Cloud service Controls 3.11. Virtual desktop Infrastructure		
		11/03/23	4. Cloud Management and Virtualisation Technology 4.1. Create a virtualised Architecture 4.2. Data Centre	08	06
		13/03/23	4.3. Resilience 4.4. Agility		
		14/03/23	4.5. Cisco Data Centre Network architecture		
		15/03/23	4.6. Storage 4.7. Provisioning 4.8. Asset Management		
		16/03/23	4.9. Concept of Map Reduce 4.10. Cloud Governance		
		17/03/23	4.11. Load Balancing 4.12. High Availability 4.13. Disaster Recovery		
		18/03/23	5. Virtualisation 5.1. Virtualisation		
		20/03/23	5.2. Network Virtualisation 5.3. Desktop and Application Virtualisation		
		21/03/23	5.4. Desktop as a service 5.5. Local desktop Virtualisation 5.6. Virtualisation benefits		
		22/03/23	5.7. Server Virtualisation		
		23/03/23	5.8. Block and File level Storage Virtualisation		
		24/03/23	5.9. Virtual Machine Monitor 5.10. Infrastructure Requirements		
25/03/23	5.11. VLAN and VSAN				
27/03/23	REVISION				

		28/03/23	REVISION		
		29/03/23	REVISION		

SL. No.	Month /No .of academic days available for the subject	CHAPTER	TOPICS TO BE COVERED		
	APR-2023(14)		6.Cloud Security 6.1. Cloud Security Fundamentals 6.2. Cloud security services	08	05
		03/04/23			
		04/04/23	6.3. Design Principles 6.4. Secure Cloud software requirements		
		05/04/23	6.5. Policy Implementation		
		06/04/23	6.6. Cloud Computing Security Challenges		
		10/04/23	REVISION		
		11/04/23	7. Cloud Computing Security Architecture 7.1. Architectural Considerations 7.2. Information	05	05
		12/04/23	7.3. Virtual Private Networks		
		13/04/23	7.4. Public Key and Encryption Key management Classification		
		24/04/23	7.5. Digital certificates 7.6. Key management		
		25/04/23	7.7. Memory Cards 7.8. Implementing Identity Management		
		26/04/23	7.8. Implementing identity management 7.9. Controls and Autonomic System		
		27/04/23	REVISION		
		28/04/23	REVISION		
	29/04/23	REVISION			

SL. No.	Month /No .of academic days available for the subject	DATE	TOPICS TO BE COVERED		
	MAY-2023(17)	01/05/23	8. Market Based Management of Clouds 8.1. Cloud Information security vendors	05	05
		02/05/23	8.2. Cloud Federation, characterization		
		03/05/23	8.3. Cloud Federation stack		
		04/05/23	8.4. Third Party Cloud service 8.5. Case study		
		05/05/23	REVISION		
		06/05/23	REVISION		
		08/05/23	9. Hadoop 9.1. Introduction	05	05
		09/05/23	9.2. Data Source		
		10/05/23	9.3. Data storage and Analysis		
		11/05/23	9.4. Comparison with other system		
		12/05/23	REVISION		
		13/05/23	REVISION		

TOTAL=

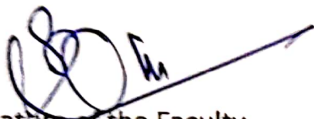
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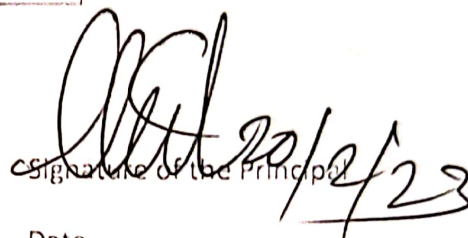
Brief Summary of the Plan

S/no	Month	Units/Chapter To be Covered	Percentage of Coverage
1	FEB	Chapter-1,2	25%
2	MAR	Chapter-3,4,5	40%
3	APR	Chapter-6.,7	20%
4	MAY	Chapter-8,9	15%



Signature of the Faculty

Date



Date