LESSON PLAN:		
Discipline: **IT**	Semester: **5TH**	Name of the Teaching Faculty: **SASWATI SOUMYA SAHOO**
Subject: **CC**	No. Of Days/per week class allotted: **4 periods per week**	Semester: **From Date:10--03-2022 To Date: 10-06-2022** **No. Of Weeks: 15weeks**
WEEK	**CLASS DAY**	**THEORY TOPICS**
1st	10/03/2022 11/03/2022	1.1. Historical development 1.2. Vision of Cloud Computing 1.3. Characteristics of Cloud computing
2ND	14/03/2022 16/03/2022 17/03/2022	1.4. Cloud computing Reference model 1.5. Cloud computing environment 1.6. Cloud Service requirements 1.7. Cloud and Dynamic Infrastructure 1.8. Cloud Adoption
3RD	21/03/2022 23/03/2022 24/03/2022 25/03/2022	2.1. Introduction 2.2. Cloud Reference Model 2.3. Types of Clouds 2.4. Cloud Interoperability and standards
4TH	28/03/2022 30/03/2022 31/03/2022	2.5. Cloud computing Interoperability use cases 2.6. Role of standards in Cloud Computing environment 3.1. Introduction 3.2. Scalability and Fault Tolerance
5th	04/04/2022 06/04/2022 07/04/2022 08/04/2022	3.3. Cloud solutions 3.4. Cloud Ecosystem 3.5. Cloud Business process management 3.6. Portability and Interoperability 3.7. Cloud Service management
6th	11/04/2022 13/04/2022	3.8. Cloud Offerings 3.9. Testing under Control 3.10. Cloud service Controls 3.11. Virtual desktop Infrastructure
7th	18/04/2022 20/04/2022 21/04/2022 22/04/2022	4.1. Create a virtualised Architecture 4.2. Data Centre 4.3. Resilience 4.4. Agility 4.5. Cisco Data Centre Network architecture 4.6. Storage
8TH	25/04/2022 27/04/2022 28/04/2022 29/04/2022	4.7. Provisioning 4.8. Asset Management 4.9. Concept of Map Reduce 4.10. Cloud Goverance 4.11. Load Balancing 4.12. High Availability 4.13. Disaster Recovery
9th	02/05/2022 04/05/2022 05/05/2022 06/05/2022	5.1. Virtualisation 5.2. Betwork Virtualisation 5.3. Desktop and Application Virtualisation 5.4. Desktop as a service 5.5. Local desktop Virtualisation

10th	09/05/2022 11/05/2022 12/05/2022 13/05/2022	5.6. Virtualisation benefits 5.7. Server Virtualisation 5.8. Block and File level Storage Virtualisation 5.9. Virtual Machine Monitor 5.10. Infrastructure Requirements
11th	18/05/2022 19/05/2022 20/05/2022	6.1. Cloud Security Fundamentals 6.2. Cloud security services 6.3. Design Principles 6.4. Secure Cloud software requirements 6.5. Policy Implementation
12th	23/05/2022 25/05/2022 26/05/2022 27/05/2022	7.1. Architectural Considerations 7.2. Information Classification 7.3. Virtual Private Networks 7.4. Public Key and Encryption Key management 7.5. Digital certificates 7.6. Key management 7.7. Memory Cards
13th	01/06/2022 02/06/2022 03/06/2022	7.8. Implementing Identity Management 7.8. Implementing Identity Management 7.9. Controls and Autonomic System **8. Market Based Management of Clouds** 8.1. Cloud Information security vendors 8.2. Cloud Federation, charactrization 8.3. Cloud Federation stack 8.4. Third Party Cloud service 8.5. Case study
14th	06/06/2022 08/06/2022 09/06/2022 10/06/2022	**9. Hadoop** 9.1. Introduction 9.2. Data Source 9.3. Data storage and Analysis 9.4. Comparison with other system