

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Discipline	Semester	Name of the Teaching Faculty
	6th	Moinul Islam
Subject	No. of days per Week Class Alloted	Semester from Dt. <u>10.03.22</u> To Dt. <u>18.6.2022</u> No. of Weeks: _____
cloud computing		
Week	Class Day	Theory / Practical Topics
first	1st	Ch-1) Introduction To cloud Computing
	2nd	1.1- Historical development
	3rd	1.2- Vision of Cloud computing
Second		1.3- Characteristics of cloud computing
		1.4- cloud computing Reference model
		1.5- cloud computing environment.
	1st	Ch-2) Cloud Computing Architecture.
	2nd	2.1- Introduction
Third	3rd	2.2- cloud Reference model
	4th	2.3- Types of clouds
		2.4- cloud Interoperability & standards
		2.5- cloud computing Interoperability use cases.
	1st	Ch-3) Scalability and fault Tolerance
fourth	2nd	3.1- Introduction
	3rd	3.2- Scalability and fault Tolerance.
	4th	3.3- cloud solutions
		3.4- cloud ecosystem
		3.5- cloud Business process management.
five	1st	Ch-4) Cloud Management & Virtualisation Technology.
	2nd	4.1- Create a virtualised Architecture.
	3rd	4.2- Data centre
	4th	4.3- Resilience
		4.4- Agility.
		4.5- Cisco Data centre Network architecture.
	1st	Ch-5) Virtualisation
	2nd	5.1- Virtualisation
	3rd	5.2- Network Virtualisation
	4th	5.3- Desktop & Application virtualisation.
	5th	5.4- Desktop as a service
		5.5- Local desktop virtualisation
		5.6- Virtualisation benefits.
		5.7- server Virtualisation.

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Discipline	Semester	Name of the Teaching Faculty
Subject	No. of days per Week Class Alloted	Semester from Dt. _____ To Dt. _____ No. of Weeks: _____
Week	Class Day	Theory / Practical Topics
Sixth	1st	(Ch-6) Cloud security .
	2nd	6.1- Cloud security fundamental
	3rd	6.2- Cloud security services
	4th	6.3- Design Principles
		6.4- Secure Cloud software requirements
		6.5- Policy Implementation
		6.6- Cloud Computing security challenges
Seventh	1st	(Ch-7) Cloud Computing security Architecture
	2nd	7.1- Architectural considerations.
	3rd	7.2- Information classification
	4th	7.3- Virtual Private Networks
		7.4- Public key & Encryption key management.
		7.5- Digital certificates.
Eight	1st	(Ch-8) Market Based Management of cloud
	2nd	8.1- Cloud Information security vendors
	3rd	8.2- cloud Federation, characterization
	4th	8.3- cloud federation stack.
		8.4- Third Party cloud service.
		8.5- Case study.
Ninth	1st	(Ch-9) Hadoop
	2nd	9.1- Introduction
	3rd	9.1- Introduction
		9.2- Data source
Tenth	1st	9.2- Data source
	2nd	9.3- Data storage & Analysis
	3rd	9.3- Data storage & Analysis
	4th	9.4- Comparison with other system.
	5th	9.4- Comparison with other system.

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Discipline	Semester	Name of the Teaching Faculty
Subject	No. of days per Week Class Alloted	_____ Semester from Dt. _____ To Dt. _____
		No. of Weeks: _____
Week	Class Day	Theory / Practical Topics
11th	1st	
	2nd	
	3rd	
	4th	
12th	1st	
	2nd	
	3rd	
	4th	
13th	1st	
	2nd	
	3rd	
	4th	