



Lesson Plan for DCCN(Th-2) session2032-24-(S)
Department of Electronics and Telecommunication Engg.
Government Polytechnic Balasore

Discipline: E&TC	Semester: 4th	Name of the Faculty: Er. Swagatika Malik
Subject: Data Comm. & Comp. N/W. Code: TH-2	No of Days/per week class allotted: 2 P/W	Semester from date: 16/01/2024 To Date:26/04/2024 No of weeks: 15
WEEK	PERIOD	TOPIC
1 st	1 st	1. Network & Protocol: 1.1 Define Data Communication and its components. 1.2 Define Data flow modes.
	2 nd	1.3 Define Networks and its criteria. 1.4 Explain Network topologies.
2 nd	1 st	1.5 Explain types of networks. 1.6 Explain network standards
	2 nd	1.7 Define protocol and its architecture
3 rd	1 st	1.9 Explain Network Models OSI and TCP/IP protocol suite
	2 nd	1.9.1 Physical Layer and Data link Layer
4 th	1 st	1.9.2 Network Layer and Transport layer
	2 nd	1.9.3 Application Layer
5 th		3. Data Encoding:
	1 st	3.1 Define Data encoding.
6 th	2 nd	3.2.1 Explain Digital data digital signals.
	1 st	3.2.2 Explain Digital data digital signals.
7 th	2 nd	3.3.1 Explain Digital data analog signals.
	1 st	3.3.2 Explain Digital data analog signals.
8 th	2 nd	3.4.1 Explain Analog data digital signals.
	1 st	3.4.2 Explain Analog data digital signals.
9 th	2 nd	3.5.1 Explain Analog data analog signals.
	1 st	3.5.2 Explain Analog data analog signals.
10 th		5. Switching & Routing
	2 nd	5.1 Explain the Features of circuit switching
11 th	1 st	5.2 Packet switching, Data gram approach
	2 nd	5.3 Explain X.25 protocol.
12 th	1 st	5.4 Explain the features of Routing in packet switching.
	2 nd	5.5.1 Explain Congestion briefly
13 th	1 st	5.5.2 Effects of congestion, congestion control.
	2 nd	5.6 Traffic Management
14 th	1 st	5.7 Congestion control in Packet Switching Network.
	2 nd	7. TCP/IP: 7.1 Explain briefly TCP/IP Protocol Suite.
15 th	1 st	7.2 Explain Basic Protocol functions.
	2 nd	7.3 Explain Principles of Internetworking. 7.4 Explain Internet Protocol operations. 7.5 Explain the Internet Protocol.