



UTKAL INSTITUTE OF ENGINEERING & TECHNOLOGY

DISCIPLINE: ETC	SEMESTER: 4TH Sem	NAME OF THE TEACHING FACULTY: Er.Rehebari Tarannum		
SUBJECT: TH-2 DATA COMMUNICATION & COMPUTER NETWORK	No of Days/Per week class allotted: 4 Class P/W(60)	Semester From Date:16/01/2024 To Date:26/04/2024 No. Of Weeks: 15		
WEEK	CLASS DAY	1.1 Data Communication	REMARKS	
1 st	1 st	1.2 Networks	Date	Dean/Principal
	2 nd	1.3 Protocol & Architecture, Standards, OSI, TCP/IP		
	3 rd	1.1 Data Communication		
	4 th	1.2 Networks		
2 nd	1 st	1.3 Protocol & Architecture, Standards, OSI, TCP/IP		
	2 nd	2.1 Data transmission Concepts and Terminology		
	3 rd	2.2 Analog and Digital Data transmission		
	4 th	2.3 Transmission impairments, Channel capacity		
3 rd	1 st	2.4 Transmission media, Guided Transmission, Wireless Transmission		
	2 nd	2.1 Data transmission Concepts and Terminology		
	3 rd	2.2 Analog and Digital Data transmission		
	4 th	2.3 Transmission impairments, Channel capacity		
4 th	1 st	2.4 Transmission media, Guided Transmission, Wireless Transmission		
	2 nd	3.1 Data encoding,		
	3 rd	3.2 Digital data digital signals,		
	4 th	3.3 Digital data analog signals		
5 th	1 st	3.4 Analog data digital signals		
	2 nd	3.5 Analog data analog signals		
	3 rd	3.1 Data encoding,		

	4 th	3.2 Digital data digital signals,		
6 th	1 st	3.3 Digital data analog signals		
	2 nd	4.1 Asynchronous and Synchronous Transmission		
	3 rd	4.1 Error Detection		
	4 th	4.3 Line configuration		
7 th	1 st	4.4 Flow Control,		
	2 nd	4.5 Error Control		
	3 rd	4.6 Multiplexing		
	4 th	4.7 FDM synchronous TDM		
8 th	1 st	4.8 Statistical TDM		
	2 nd	5.1 Circuit Switching networks		
	3 rd	5.3 X.25		
	4 th	5.4 Routing in Packet switching		
9 th	1 st	5.5 Congestion		
	2 nd	5.6 Effects of congestion, congestion control		
	3 rd	5.7 Traffic Management		
	4 th	5.8 Congestion Control in Packet Switching Network		
10 th	1 st	5.8 Congestion Control in Packet Switching Network		
	2 nd	SAMPLE PAPER QUESTION DISCUSSION		
	3 rd	6.1. Topology and Transmission Media		
	4 th	6.2 LAN protocol architecture		
11 th	1 st	6.3. Medium Access control		
	2 nd	6.4 Bridges, Hub, Switch		
	3 rd	6.5 Ethernet (CSMA/CD), Fiber Channe		
	4 th	6.6 Wireless LAN Technology..		
	1 st	6.1. Topology and Transmission Media		

12th	2 nd	6.2 LAN protocol architecture		
	3 rd	6.3. Medium Access control		
	4 th	6.4 Bridges, Hub, Switch		
13th	1 st	7.1 TCP/IP Protocol Suite		
	2 nd	7.2 Basic Protocol functions		
	3 rd	7.3 Principles of Internetworking		
	4 th	7.3 Internet Protocol operations		
14th	1 st	7.4 Internet Protocol		
	2 nd	7.1 TCP/IP Protocol Suite		
	3 rd	7.2 Basic Protocol functions		
	4 th	7.3 Principles of Internetworking		
15th	1 st	7.3 Internet Protocol operations		
	2 nd	7.4 Internet Protocol		
	3 rd	Doubt Clear Class		
	4 th	SAMPLE PAPER QUESTION DISCUSSION		

HOD

DEAN

PRINCIPAL

Dyotipankash Swain

