



GANDHISCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

BRANCH:-ELECTRONICS & TELECOMMUNICATION ENGINEERING

SEMESTER:-4TH

SUBJECT:-DATA COMMUNICATION & COMPUTER NETWORK

Name of the Faculty- ER SANTOSH SAHU

Sl. No	Topic/Module	No. of period	Detail of the topics	Date	Topic No.	Topic Name	Date	Remarks
1	Network & Protocol	08	1.1 Data Communication 1.2 Networks 1.3 Protocol & Architecture, Standards, OSI, TCP/IP	13/02/2023 TO 17/02/2023	1.1 1.2 1.3	Data Communication Networks Protocol & Architecture, Standards, OSI, TCP/IP	13/02/2023 & 15/02/2023 17/02/2023 & 20/02/2023 & 22/02/2023 & 24/02/2023 25/02/2023 & 27/02/2023	
2	Data Transmission & Media	08	2.1 Data transmission Concepts and Terminology 2.2 Analog and Digital Data transmission 2.3 Transmission impairments, Channel capacity 2.4 Transmission media, Guided Transmission, Wireless Transmission	01/03/2023 TO 14/03/2023	2.1 2.2 2.3	Data transmission Concepts and Terminology Analog and Digital Data transmission Transmission impairments, Channel capacity	01/03/2023 & 03/03/2023 04/03/2023 & 06/03/2023 10/03/2023	

					2.4	Transmission media, Guided Transmission, Wireless Transmission	11/03/2023 & 13/03/2023 & 04/03/2023	
3	Data Encoding	08	3.1 Data encoding, 3.2 Digital data digital signals, 3.3 Digital data analog signals 3.4 Analog data digital signals 3.5 Analog data analog signals	15/03/2023 TO 25/03/2023	3.1	Data encoding	15/03/2023	
					3.2	Digital data digital signals	15/03/2023 & 16/03/2023	
					3.3	Digital data analog signals	17/03/2023 & 18/03/2023	
					3.4	Analog data digital signals	20/03/2023 & 22/03/2023	
					3.5	Analog data analog signals	24/03/2023 & 25/03/2023	
4	Data Communication & Data link control	08	4.1 Asynchronous and Synchronous Transmission 4.2 Error Detection 4.3 Line configuration 4.4 Flow Control, 4.5 Error Control 4.6 Multiplexing 4.7 FDM synchronous TDM 4.8 Statistical TDM	27/03/2023 TO 08/04/2023	4.1	Asynchronous and Synchronous Transmission	27/03/2023	
					4.2	Error Detection	29/03/2023	
					4.3	Line configuration	31/03/2023	
					4.4	Flow Control	03/04/2023	
					4.5	Error Control	04/04/2023	
					4.6	Multiplexing	05/04/2023	
					4.7	FDM synchronous TDM	06/04/2023	
					4.8	Statistical TDM	08/04/2023	

5	Switching & Routing	10	5.1 Circuit Switching networks 5.2 Packet Switching principles 5.3 X.25 5.4 Routing in Packet switching 5.5 Congestion 5.6 Effects of congestion, congestion control 5.7 Traffic Management 5.8 Congestion Control in Packet Switching Network.	10/04/2023 TO 27/04/2023	5.1 Circuit Switching networks 5.2 Packet Switching principles 5.3 X.25 5.4 Routing in Packet switching 5.5 Congestion 5.6 Effects of congestion, congestion control 5.7 Traffic Management 5.8 Congestion Control in Packet Switching Network.	10/04/2023 & 12/04/2023 15/04/2023 17/04/2023 19/04/2023 21/04/2023 24/04/2023 & 25/04/2023 26/04/2023 27/04/2023	
6	LAN Technology	10	6.1. Topology and Transmission Media 6.2 LAN protocol architecture 6.3. Medium Access control 6.4 Bridges, Hub, Switch 6.5 Ethernet (CSMA/CD), Fiber Channel 6.6 Wireless LAN Technology..	28/04/2023 TO 12/05/2023	6.1 Topology and Transmission Media 6.2 LAN protocol architecture 6.3. Medium Access control 6.4 Bridges, Hub, Switch 6.5 Ethernet (CSMA/CD), Fiber Channel 6.6 Wireless LAN Technology..	28/04/2023 & 29/04/2023 & 01/05/2023 03/05/2023 & 06/05/2023 08/05/2023 09/05/2023 10/05/2023 & 11/05/2023 12/05/2023	

7	TCP/IP	08	7.1 TCP/IP Protocol Suite 7.2 Basic Protocol functions 7.3 Principles of Internetworking 7.4 Internet Protocol operations 7.5 Internet Protocol	13/05/2023 TO 23/05/2023	7.1 TCP/IP Protocol Suite 7.2 Basic Protocol functions 7.3 Principles of Internetworking 7.4 Internet Protocol operations 7.5 Internet Protocol	13/05/2023 & 15/05/2023 16/05/2023 & 17/05/2023 18/05/2023 20/05/2023 & 22/05/2023 23/05/2023
---	--------	----	---	--------------------------------	---	---



HOD

