



GANDHI SCHOOL OF ENGINEERING

BHABANDHA, BERHAMPUR

SESSION PLAN (SUMMER-2025)

4TH SEMESTER, BRANCH-INFORMATION TECHNOLOGY

DATA COMMUNICATION & COMPUTER NETWORK (TH-2)

Name of the Faculty –ER.RAJESWAR PATRO

Topics to be taken				TOPIC NO.	Actually Taken		
SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNING DATE		Details of the topics	ACTUAL DATE	Remarks
1 Network & Protocol	8	1. Network& Protocol	06-02-2025 TO 15-02-2025	1	1. Network& Protocol INTRODUCTION	06-02-2025	
		1.1 Data Communication		1.1	Network& Protocol	07-02-2025	
		1.2 Networks		1.2	1.1 Data Communication	08-02-2025	
		1.3 Protocol & Architecture, Standards, OSI, TCP/IP		1.3	Data Communication	11-02-2025	
					1.2 Networks	12-02-2025	
2 Data Communication	8	2. Data Transmission & Media	17-02-2025 TO 25-02-2025	2	1.3 Protocol & Architecture, Standards, OSI, TCP/IP	14-02-2025	
		2.1 Data transmission Concepts and Terminology		2.1	2. Data Transmission & Media INTRODUCTION	15-02-2025	
		2.2 Analog and Digital Data transmission		2.2	2.1 Data transmission Concepts and Terminology	17-02-2025	
		2.3 Transmission impairments, Channel capacity		2.3	2.2 Analog and Digital Data transmission	18-02-2025	
		2.4 Transmission media, Guided Transmission, Wireless Transmission		2.4	2.3 Transmission impairments, Channel capacity	19-02-2025	
3 Data Encoding	8	3. Data Encoding	28-02-2025 TO 11-03-2025	3	2.4 Transmission media, Guided Transmission, Wireless Transmission	20-02-2025	
		3.1 Data encoding,		3.1	3. Data Encoding INTRODUCTION	21-02-2025	
		3.2 Digital data digital signals,		3.2	3.1 Data encoding,	22-02-2025	
		3.3 Digital data analog signals		3.3	3.2 Digital data digital signals,	24-02-2025	
		3.4 Analog data digital signals		3.4	3.3 Digital data analog signals	25-02-2025	
		3.5 Analog data analog signals		3.5	Digital data digital & analaog signals	28-02-2025	

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4 Data Communication & Data link control	8	4. Data Communication & Data link control	12-03-2025 TO 26-03-2025	4	4. Data Communication & Data link control	03-12-2025	
		4.1 Asynchronous and Synchronous Transmission		4.1	4.1 Asynchronous and Synchronous Transmission	13-03-2025	
		4.2 Error Detection		4.2	4.2 Error Detection	17-03-2025	
		4.3 Line configuration		4.3	4.3 Line configuration	18-03-2025	
		4.4 Flow Control,		4.4	4.4 Flow Control,	21-03-2025	
		4.5 Error Control		4.5	4.5 Error Control	22-03-2025	
		4.6 Multiplexing		4.6	4.6 Multiplexing	25-03-2025	
		4.7 FDM synchronous TDM		4.7	4.7 FDM synchronous TDM	25-03-2025	
		4.8 Statistical TDM		4.8	4.8 Statistical TDM	26-03-2025	
5 Switching & Routing	10	5. Switching & Routing	04-04-2025 TO 22-04-2024	5	5. Switching & Routing INTRODUCTION	04-04-2025	
		5.1 Circuit Switching networks		5.1	5.1 Circuit Switching networks	04-05-2025	
		5.2 Packet Switching principles		5.2	5.2 Packet Switching principles	04-08-2025	
		5.3 X.25		5.3	5.3 X.25	04-09-2025	
		5.4 Routing in Packet switching		5.4	5.4 Routing in Packet switching	04-11-2025	
		5.5 Congestion		5.5	5.5 Congestion	04-12-2025	
		5.6 Effects of congestion, congestion control		5.6	5.6 Effects of congestion, congestion control	15-04-2025	
		5.7 Traffic Management		5.7	5.7 Traffic Management	16-04-2025	
		5.8 Congestion Control in Packet Switching Network.		5.8	5.8 Congestion Control in Packet Switching Network.	19-04-2025	
6 LAN Technology	10	6. LAN Technology	23-04-2025 TO 07-05-2025	6	6. LAN Technology INTRODUCTION	23-04-2025	
		6.1. Topology and Transmission Media		6.1	6.1. Topology and Transmission Media	25-04-2025	
					Topology and Transmission Media	26-04-2025	
		6.2 LAN protocol architecture		6.2	6.2 LAN protocol architecture	29-04-2025	
					LAN protocol architecture	05-01-2025	
		6.3. Medium Access control		6.3	6.3. Medium Access control	05-02-2025	
		6.4 Bridges, Hub, Switch		6.4	6.4 Bridges, Hub, Switch	05-03-2025	
		6.5 Ethernet (CSMA/CD), Fiber Channel		6.5	6.5 Ethernet (CSMA/CD), Fiber Channel	05-05-2025	
		6.6 Wireless LAN Technology.		6.6	6.6 Wireless LAN Technology.	05-06-2025	
					Wireless LAN Technology.	05-07-2025	

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SL NO & CHAPTER	No. of Periods assigned by SCTE & VT	Details of the topics	PLANNING DATE		Details of the topics	ACTUAL DATE	Remarks
7 TCP/IP	8	7. TCP/IP	08-05-2025 TO 17-05-2025	7	7. TCP/IP INTRODUCTION	05-08-2025	
		7.1 TCP/IP Protocol Suite		7.1	7.1 TCP/IP Protocol Suite	05-09-2025	
		7.2 Basic Protocol functions		7.2	TCP/IP Protocol Suite	05-10-2025	
		7.3 Principles of Internetworking		7.2	7.2 Basic Protocol functions	13-05-2025	
		7.3 Internet Protocol operations		7.3	7.3 Principles of Internetworking	14-05-2025	
		7.4 Internet Protocol		7.3	7.3 Internet Protocol operations	15-05-2025	
					Internet Protocol operations	16-05-2025	
				7.4	7.4 Internet Protocol	17-05-2025	

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HOD, INFORMATION TECHNOLOGY

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