GANDHI SCHOOL OF ENGINEERING

BHABANDHA,BERHAMPUR

PROPOSED WORK

4th SEM ETC SUBJECT- TH-2 DATA COMMUNICATION & COMPUTER NETWORK

Name of Faculty- ER.SANTOSH KUMAR SAHU

SL NO. CHAPTER	TOPICS	NO OF PERIODS ASSIGNED BY SCTE&VT	PLANNING DATES	REMARKS
1	**Network& Protocol** 1.1 Data Communication 1.2 Networks 1.3 Protocol & Architecture, Standards, OSI, TCP/IP	08	10/03/2022 To 15/03/2022	
2	**Data Transmission & Media** 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	08	17/03/2022 To 28/03/2022	
3	**Data Encoding** 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	08	29/03/2022 To 09/04/2022	

4	**Data Communication & Data link control** 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	08	12/04/2022 To 23/04/2022	
5	**Switching & Routing** 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	26/04/2022 To 10/05/2022	
6	**LAN Technology** 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	10	12/05/2022 To 24/05/2022	
7	**TCP/IP** 7.1 TCP/IP Protocol Suite 7.2 Basic Protocol functions 7.3 Principles of Internetworking 7.3 Internet Protocol operations 7.4 Internet Protocol	08	26/05/2022 to 10/06/2022	

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