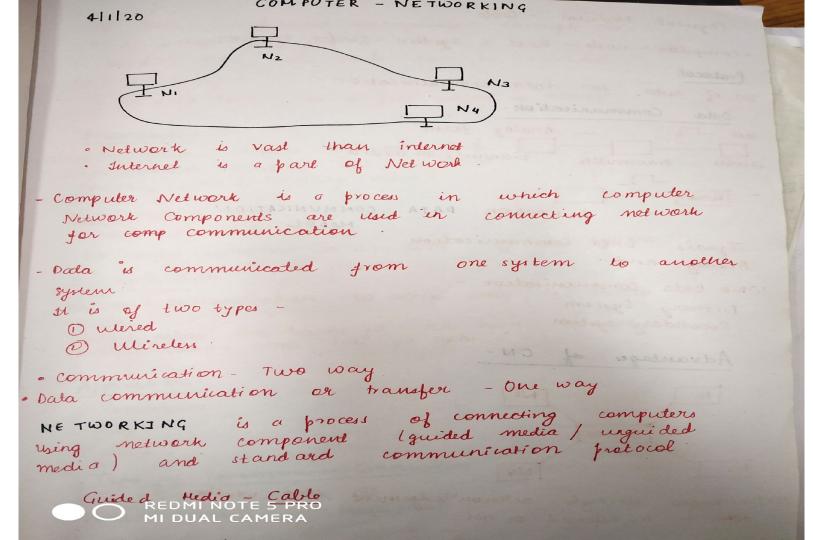
COMPUTER NETWORK LECTURE-2 07/01/21



Physical Medium - Cable · Computer - node - host - system - sender - receiver (2) (3) 1 Protocol set of rules for data communication. (4) Dala Communication. ~ Analog form lext I transmission media Dro transmitter Tender - Ser - uno Receiver Destination DATA COMMUNICATION MODEL Au Signals - Data Communication Analog and. While Data communication -Primary System Secondary system Advantages of CN-1/2 Ni Server N4 N3 (1) We know through acknowledgement throw whether data is transferred or not

The medic Hoventage of Computer Metwork: Number of node are in Group. So they can Than resources (1) Kesowice Sharing 2) of a large programe is there it is Brak unto Module and Cach woole has part of Its moduele then It same time & money (3) Reliability :- No data loss, Reliability is hege as even if a node fails data is not lost is Lound on some because data Server NA node has file and falux occurso Data is not lost . Since Data is Kept in provides Central Controls and allocation REDMINOTES PROTOSIC JEDUNCES.

5) It Provide Nehverk with nraximin Penjamany with low cost. 1sadvantage: -Security problem: Unauthonised Person can all Server I can destroy all Sour is Block then he Krivary & Fory unattweezed person can Dioblem read your yile. Privacy is not REDMI NOTE 5 PRO

Longer 1 -

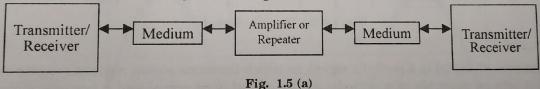
(2) Their is centralised management through CN (3) If Large program is there, it is broken module and each node can be executed ento (4) Reliability-No data loss, as it gets saved to server Drawback --server fails, entire network fails. - unauthorised accessing can be done thrivacy issue / security issue) Authentication valid /invalid We verify whether we are user of any system And harwation We need authentication to access any file / Process. Process access na kourne ja rhe hain, hamare authorization me hai ya nahi Application t - Commerce Laptop mobile Type of Communico Connection Mulli point Point to point

2. DATA TRANSMISSION

Data transmission occurs between transmitter and receiver over some transmission medium. Transmission media may be classified as guided or unguided. In both cases, communication is in the form of electromagnetic waves. With guided media, the waves are guided along a physical path; examples of guided media are twisted pair, coaxial cable, and optical fiber. Unguided media provide a means for transmitting electromagnetic waves but do not guide them: examples are propagation through air, vacuum and sea water.

The term direct link is used to refer to the transmission path between two devices in which signals propagate directly from transmitter to receiver with no intermediate devices, other than amplifiers or repeaters used to increase signal strength. A guided transmission medium is point-to-point if, first, it provides a direct link between two devices and, second, those are the only two devices sharing the medium [Figure 1.5(a)].

Point-to-Point Transmission Configuration [Fig 1.5(b)]



In a multi-point configuration, more than two devices share the same medium [Figure 1.5(b)].

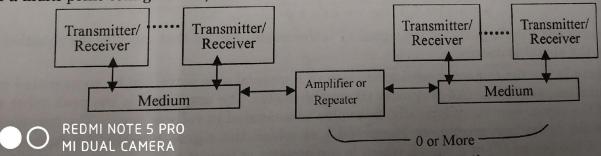


Fig. 1.5 (b). Multi-Point Transmission Configuration