

Computer Networks

Data Communication:

Data communication is the exchange/sharing(can be remote sharing or local sharing) of data between two devices via some form of transmission media such as cable...

Work station contain more than one devices.

Fundamentals of Computer Networks

➤ **Delivery**

Data should be send to the intended device only.

➤ **Accuracy**

Data should be delivered in the same sense as it was send by the sender device.

➤ **Timeliness**

Data should be delivered on timely manner.

Components of Data Communication

➤ **Message**

Any information which a sender sends to the receiver.

➤ **Sender**

Who sends the data.

➤ **Receiver**

Who receives the data

➤ **Transmission media**

Any channel or medium through which a sender sends the data.

➤ **Protocol**

Set of rules and standards

Data Flow

➤ **Simplex**

Unidirectional: flow of data in only one direction.

➤ **Half duplex**

Bidirectional: flow of data in one direction at a time.

➤ **Full duplex**

Bidirectional: flow of data in both directions at a time.