

COURSE: CERTIFICATE COURSE in computer APPLICATION.

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DATA COMMUNICATION

The exchange of data between two or more networked or connected devices. The term "data communication" comprises two words: Data and communication. Data can be any text, image, audio, video, and multimedia files. Communication is an act of sending or receiving data. Data communication refers to the exchange of data between a source and a receiver via form of transmission media such as a wire cable. Data communication is said to be local if communicating device are in the same building or a similarly restricted geographical area.

Data communications (DC) is the process of using computing and communication technologies to transfer data from one place to another, or between participating parties.

Types of communication:

As we know that data communication is communication in which we can send or receive data from one device to another. Three types of communication:

Simplex communication:

It is one-way communication or we can say that unidirectional communication in which one device only receives and another device only sends data and device uses their capacity in transmission.

Half Duplex communication:

It is a two-way communication or we can say that it is a bidirectional communication in which both the devices can send and receive data but not at the same time.

Full-duplex communication:

It is a two-way communication or we can say that it is a bidirectional communication in which both the devices can send and receive data at the same time. For example, mobile phones, landlines, etc.