Full-Duplex Mode

Elementrix Classes
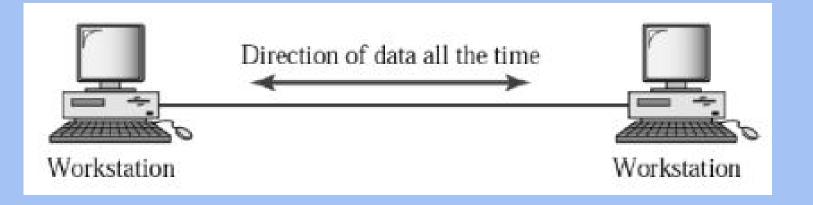
Full-Duplex Mode

❏ In Full duplex mode, the communication is bi-directional, i.e., the data flow in both the directions.

❏ Both the stations can send and receive the message simultaneously.

❏ Full-duplex mode has two simplex channels. One channel has traffic moving in one direction, and another channel has traffic flowing in the opposite direction.

❏ The Full-duplex mode is the fastest mode of communication between devices.

❏ The most common example of the full-duplex mode is a Telephone network.

❏ When two people are communicating with each other by a telephone line, both can talk and listen at the same time.

Direction of data all the time

Workstation   Workstation

Advantage of Full-duplex mode:

❏ Both the stations can send and receive the data at the same time.

Disadvantage of Full-duplex mode:

❏ If there is no dedicated path exists between the devices, then the capacity of the communication channel is divided into two parts.

पढ़िए और पढ़ाइये

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