

ACKNOWLEDGEMENT

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What is Simplex Communication?

Simplex transmission mode, The communication between Sender and Receiver occurs in only one direction. The sender can only send the data, and the receiver can only receive the data. The receiver cannot reply to the sender.

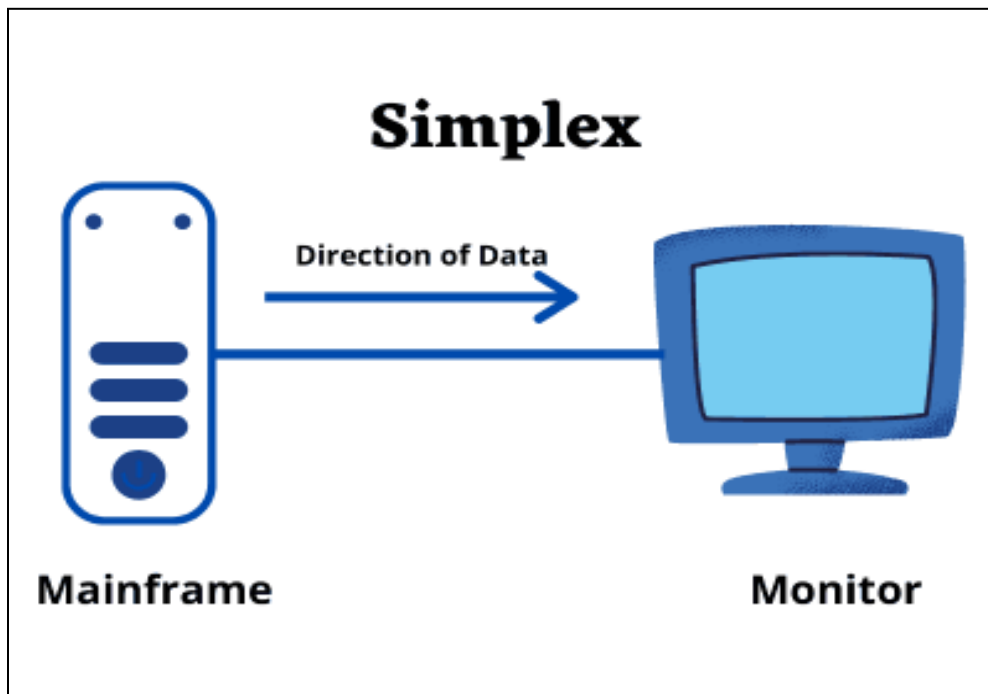


Fig1 Simplex transmission mode

What is Half duplex Communication ?

A half-duplex system provides communication in both directions, but only one direction at a time, not simultaneously in both directions. Typically, once a party begins receiving a signal, it must wait for the transmission to complete, before replying.

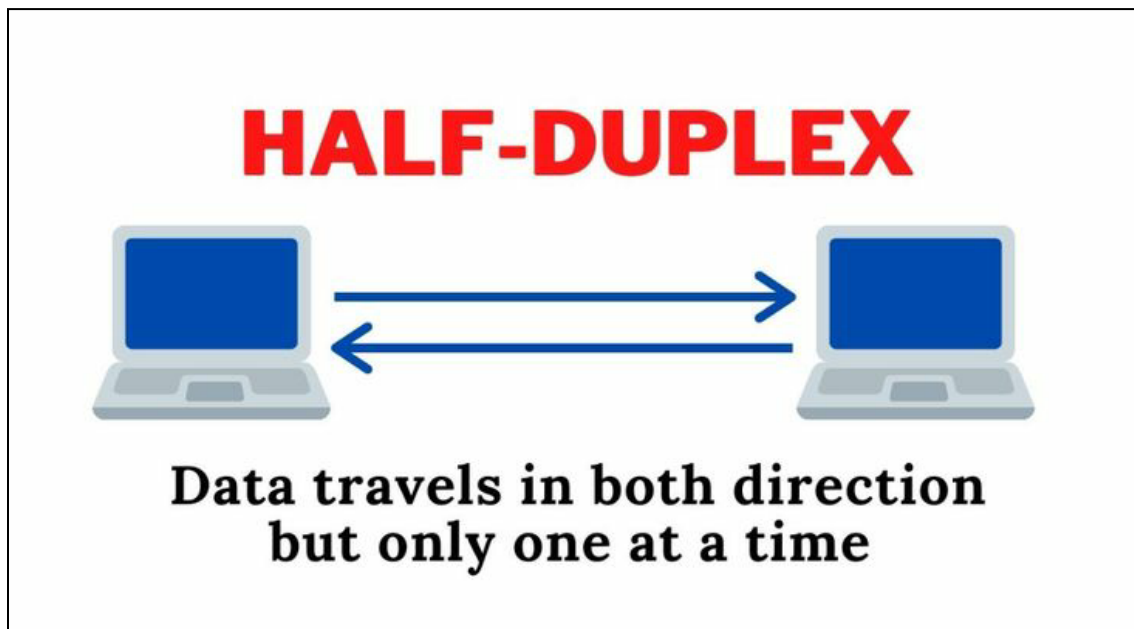


Fig 2.Half-Duplex communication mode

Competency

- 1) Component (LED, Switch) identification skill.
 - 2) Mount the components on breadboard circuit
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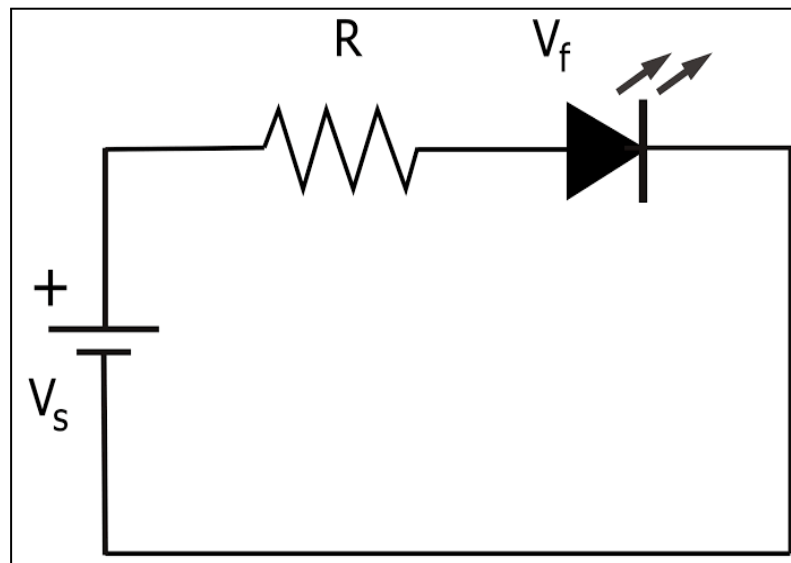
COMPONENTS USED

SR.	Name Of Component	Discr	QTY
1	Breadboard	3/3 cm	1

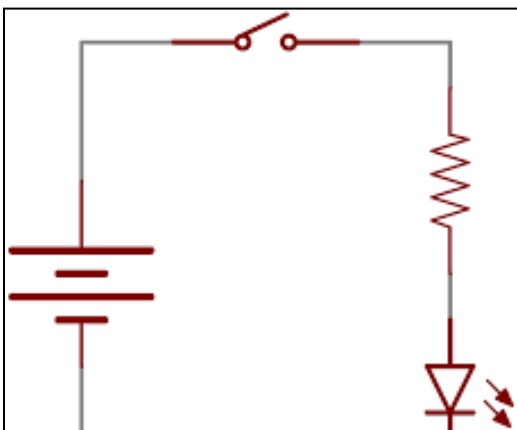
2	LED	Green	1
3	Switch		1
4	Battary	9 v	1

Practical Circuit Diagram

1) Simplex communication mode

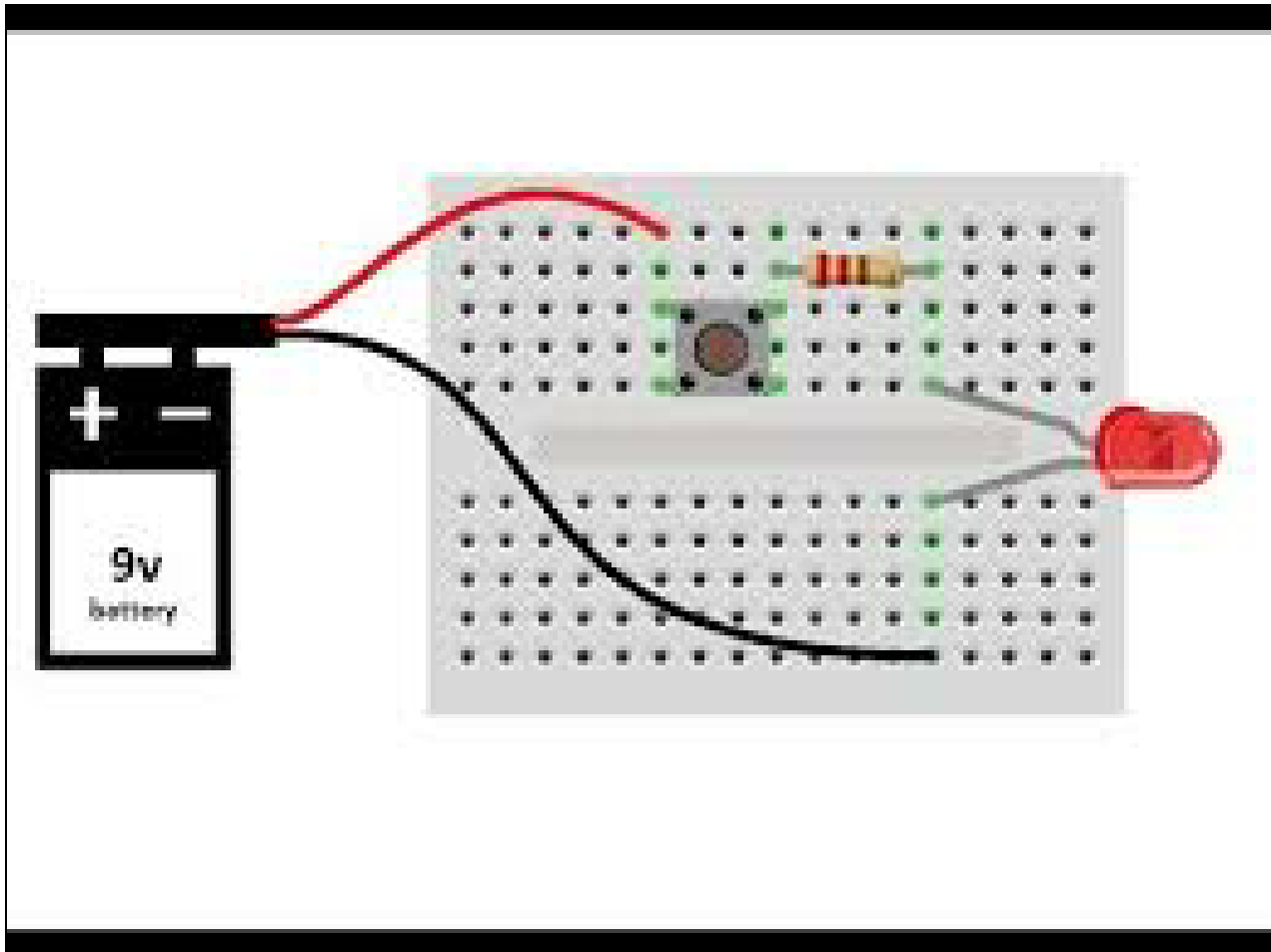


2) Half duplex communication mode





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Relevant course outcomes :

Use relevant frequency range for different communication system.



**MAHARASHTRA STATE
BOARD OF TECHNICAL EDUCATION**

Certificate

This is to certify that Mr. /Ms. **Eknath PRABHAKAR SONWANE**

Roll No. **.61** of **3rd** Semester of Diploma in Electronics & Computer Engineering of Institute, MIT.POLYTECHNIC Aurangabad (Inst. Code:2224) has completed the **Micro-Project** satisfactorily in the Subject **PCI** (22392) for the academic year **2022 - 23** as prescribed in the curriculum by MSBTE Mumbai.

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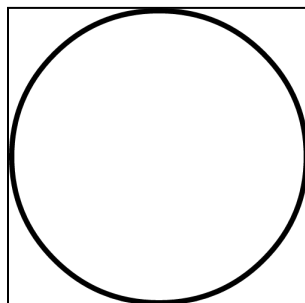
Exam. Seat No:

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Sr.No	Name of group members	Roll No	Enrollment No	Seat No
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Name Of Guide: Mitrogotre sir