

## UNIT - 4.

Class - III<sup>rd</sup> Year 6<sup>th</sup> Sem

Subject - Microcontroller for Embedded  
System

Paper code - BT-607

Lecture No - 4.1

Topic - Serial Communication  
basics.

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## Unit - 4.

### \* Serial Communication basics -

Serial Communication is Communication Method that uses one or two transmission lines to send and receive data and that data is continuously sent and received one bit at a time, since it allows for connection with few signal wires, one of its merits is its ability to hold down on wiring material and relaying equipment costs.

In Serial Communication, data is in the form of binary pulses. In other words, we can say Binary One represent a logic High or 5 volts and zero represents a logic Low or 0 volts. Serial Communication can take many form depending on the types of transmission Modes and data transfer.

Serial Communication is the most widely used approach to transfer information b/w data processing equipment and peripherals. In general communication means interchange of information b/w

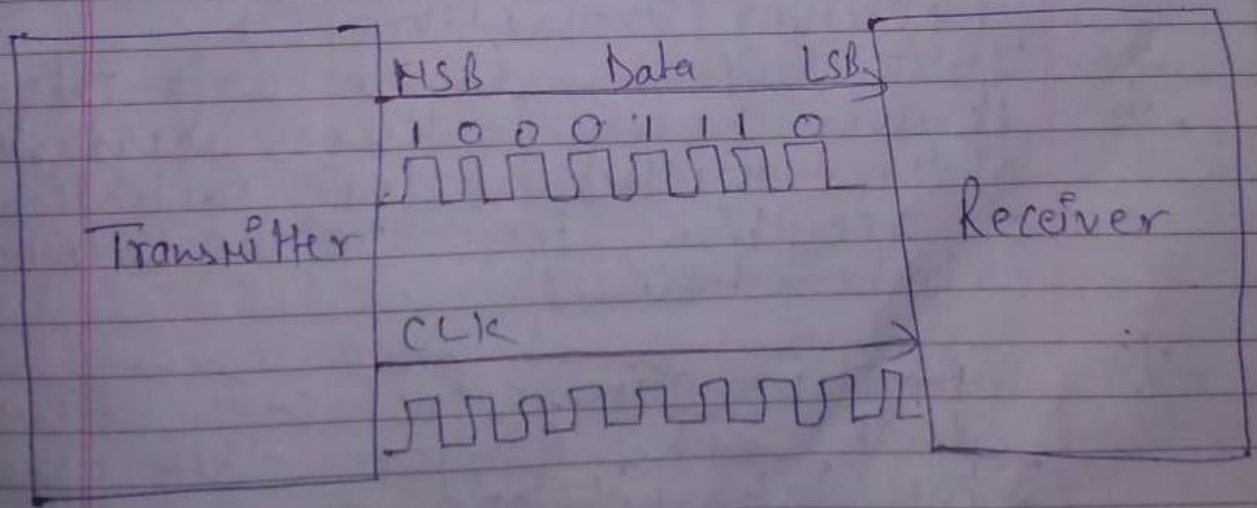


2.

Individual through written documents, Verbal words, audio and video lessons

Every device might it be your personal computer or mobile runs on serial protocol.

- \* Serial communication sends data bit by bit at one clock pulse.
- \* Serial communication requires one wire to transmit the data.
- \* Serial communication speed is slow.



Serial communication