STUDY MATERIAL - UNIT 3

COMMUNICATION INTERFACES: Interfacing Buses - Serial Interfaces - RS232/UART - RS422/RS485 - I2C Interface - SPI Interface   (8)

S.No	Book/Online Material/PDF Name	Titles Covered	Page No
1.	Prasad K V K K, "Embedded/Real-Time Systems: Concepts, Design and Programming - The Ultimate Reference", Himal Impressions, New Delhi, 2003.	Need for Communication Interfaces	149
2.	https://www.codrey.com/embedded-systems/serial-communication-basics/	Serial Communication and Parallel Communication	
3.	https://www.codrey.com/embedded-systems/rs232-serial-communication/ Prasad K V K K, "Embedded/Real-Time Systems: Concepts, Design and Programming - The Ultimate Reference", Himal Impressions, New Delhi, 2003.	RS 232	150-155
4.	https://www.elprocus.com/basics-of-uart-communication-block-diagram-applications/ https://www.codrey.com/embedded-systems/uart-serial-communication-rs232/ https://en.wikipedia.org/wiki/Universal_asynchronous_receiver-transmitter Prasad K V K K, "Embedded/Real-Time Systems: Concepts, Design and Programming - The Ultimate Reference", Himal Impressions, New Delhi, 2003.	UART	153
5.	https://www.omega.com/techref/das/rs-232-422-485.html https://en.wikipedia.org/wiki/RS-422 https://en.wikipedia.org/wiki/RS-485 Prasad K V K K, "Embedded/Real-Time Systems: Concepts, Design and Programming - The Ultimate Reference", Himal Impressions, New Delhi, 2003.	RS 422 / RS 485	158
6.	https://www.circuitbasics.com/basics-of-the-i2c-communication-protocol/ https://learn.sparkfun.com/tutorials/i2c/all	I2C	
7.	http://www.circuitbasics.com/basics-of-the-spi-communication- https://learn.sparkfun.com/tutorials/serial-peripheral-interface-spi/all protocol/ https://www.corelis.com/education/tutorials/spi-tutorial/ https://electrosome.com/spi/ https://www.electronicshub.org/basics-serial-peripheral- interface-spi/	SPI	