

Smart Home Project

- In this project we have two microcontrollers each wants to communicate with each other using SPI protocol as one of them is the Master and the other is the Slave.
- **Transferring data is done by two stages**
 - 1- Bluetooth module send Data to first Microcontroller (Master MC) using USART
 - 2- Master MC send the data To the Slave MC using SPI

After transferring data to the slave :

Actions can be taken on the actuators which is

The led can be on or off according to the conditions done in the code.

DATA	LED1	LED2
0	ON	Remains as it is
1	Remains as it is	ON
2	ON	ON
3	OFF	OFF
4	OFF	Remains as it is
5	Remains as it is	OFF

