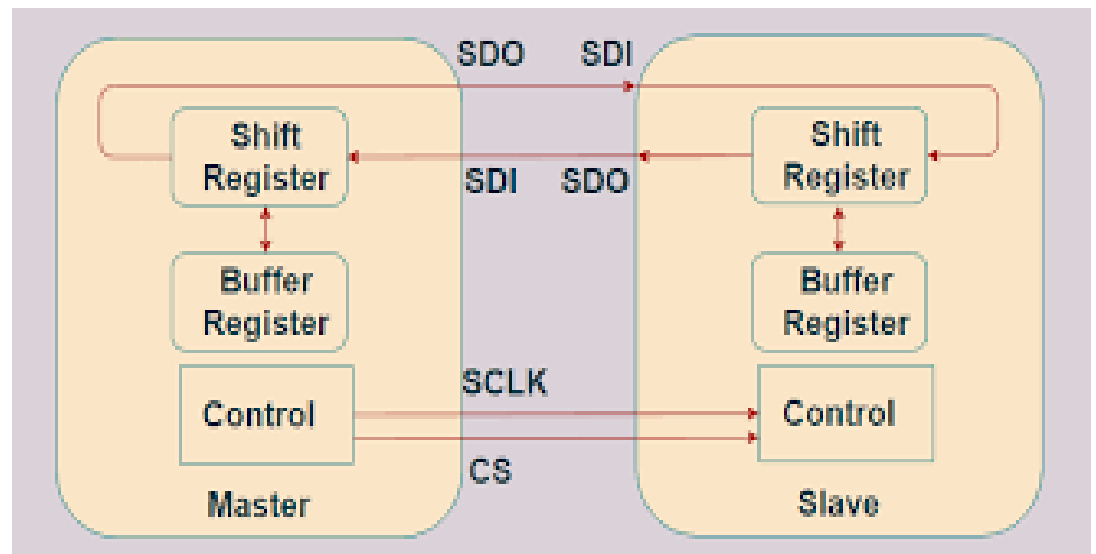


AMIT Graduation Project (Smart Home)

- Communication between 2 controllers is almost a must when it comes to large projects.
So, in this Lab we'll investigate in brief the use of the atmega32L in some communication scenarios, Also come across a few widely used communication protocols such as UART, SPI.
- **SW requirements:**
 - Proteus 8 Professional (or higher compatible versions).
 - Eclipse IDE 7.
- This project is aimed to put most of the embedded concepts in one project. It contains interrupts, timers, SPI, UART.
- Two microcontrollers Communicate with each other the first is a control ECU which takes the input from Bluetooth (virtual machine) and send it to the ECU (SPI) to LED ON/OFF.



Simulation:

