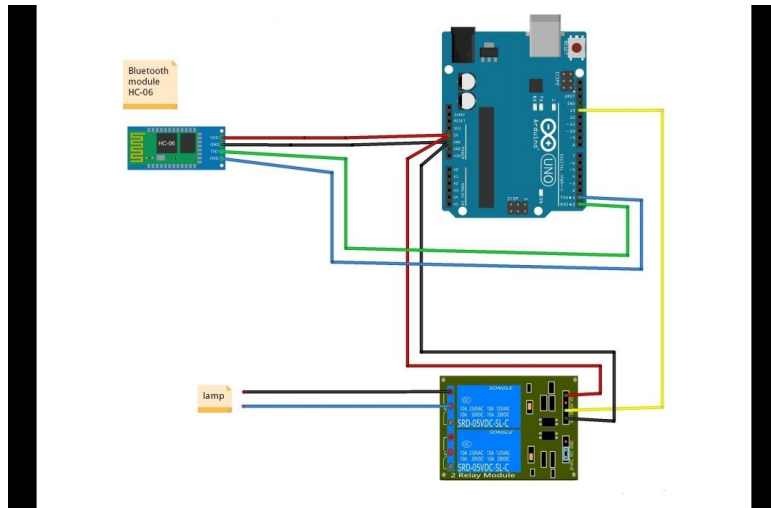


EXP-4:Light System (Controlled by smartphone)

Circuit Diagram :



Theory-:

Concept Used-:

- With bluetooth module light can be controlled.
- Use of HC-05 Bluetooth module.
- Use of external module.

LEARNING AND OBSERVATIONS:

- Connections in Breadboard and wiring.
- How to control Arduino and its coding.
- Use of multimeter for continuity

OBSERVATION:

- Led controlled with Bluetooth.
- Relation between software and hardware

PROBLEMS & TROUBLESHOOTING:

- To select the right port and type of Arduino.
- To check the loose connections.
- To check the connections according to the codes.
- To check the continuity of the circuit.
- To check the flow of current in the circuit.

PRECAUTIONS:

- Handle Module carefully.
- Do not connect Arduino till the circuit is complete.

OUTCOMES:

- Light blinking when pressed on from smartphone.