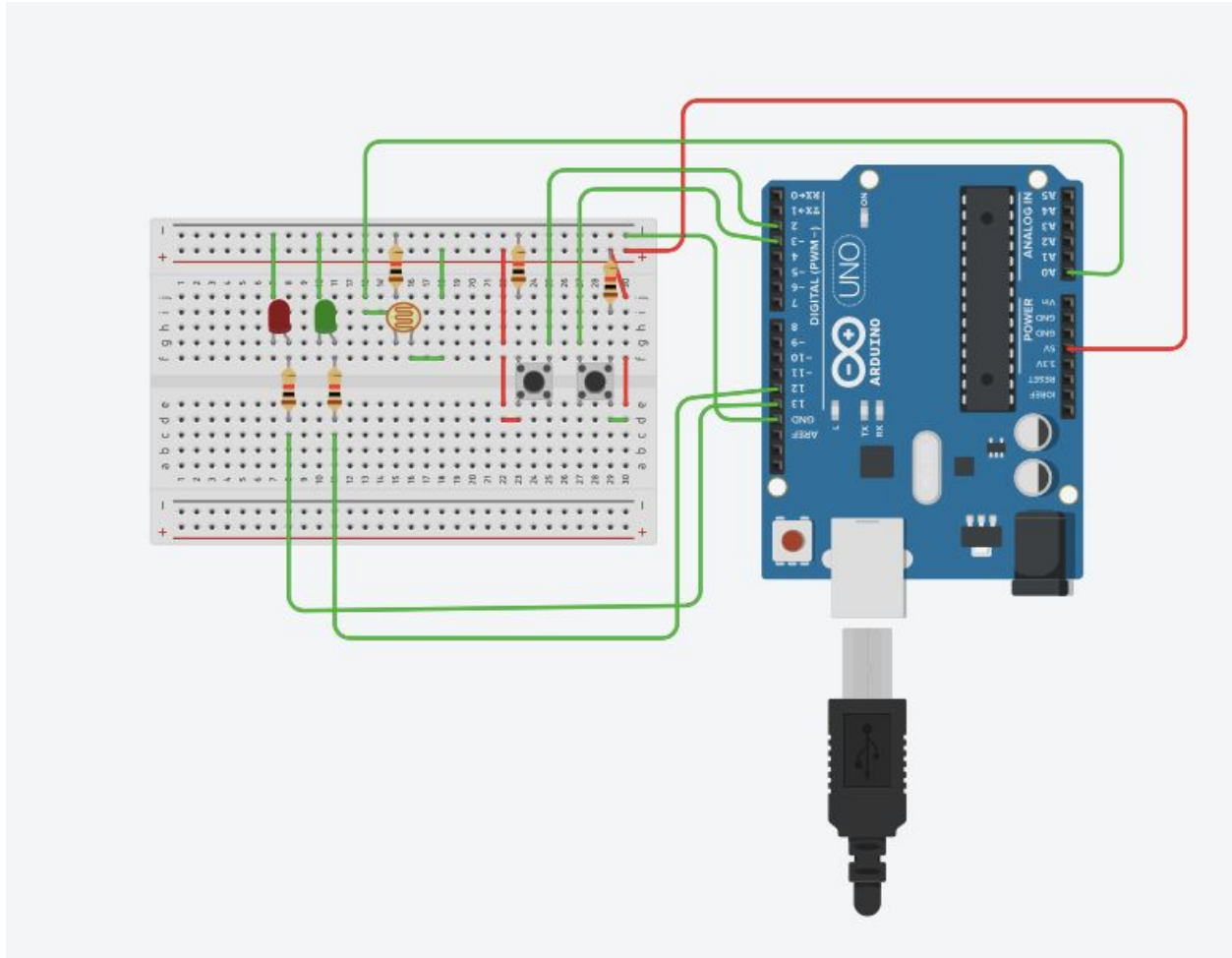


# **BEEE Evaluation**

## **Circuit Diagram**



## **Concept used**

In this experiment we used coding to make a system of two buttons such that a. Red light when any button is pressed during night. b. Green light when both buttons are pressed during night. Basic concepts of wiring and electric circuits is necessary. Basics of Arduino and breadboard is required to work on.

## **Learning and observations**

Coding is done using computer. Language used is c++. Arduino is single board microcontroller used to have more access. Microcontroller gives valid instructions to elements on breadboard as per the code given by user. Coding provides instructions to the Arduino uno board.

## **Problem and troubleshooting**

1. Coding done should be correct or else will create hardships for hardware to run.
2. Tight connections on breadboard should be there or else there will be chances of getting damaged.
3. Ports used in Arduino should be checked whether they are clean or not or will create problems in future.
- 4.

## **Precautions**

1. Coding done should be correct. Errors can be neglected.
2. Take care of the positive and negative ends respectively
3. Check there should be no loose connections in the circuit.
5. Use of safety measures.
6. Use of right instruments.

## **Learning outcomes**

From this experiment we learned how to use Arduino and breadboard. Coding used for the project . How to make a pattern of LED bulb and coding it on the software. I learned how to program arduino to execute the task given. It gave me enough knowledge of the basics of electric circuit.