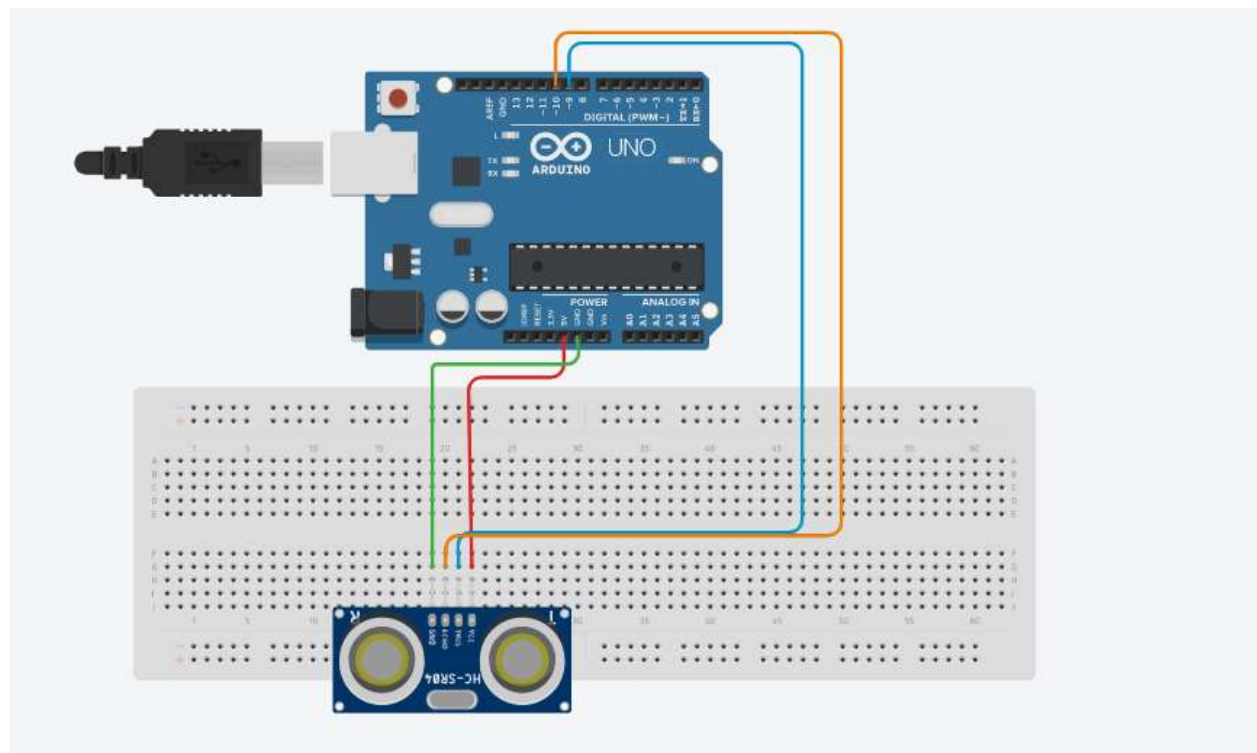


BEEE EVALUATION

AIM: Design a visitor counting system with the help of LDR for a hall. Assume that only one person can pass through the door at any time and also there are separate entry and exit doors.

CIRCUIT DIAGRAM



THEORY

CONCEPT USED:

- Making Breadboard connections.

- Coding of micro-controller in ARDUINO UNO.
- Concept of SONAR i.e. receiving of ultrasonic waves transmitted by the transmitter and then calculating the distance between the transmitter and the object from which the wave is bounced back.

LEARNING AND OBSERVATION:

In the experiment we learned about:

- Coding in Arduino UNO
- Using ultrasonic distance sensor
- Breadboard and its wiring

My observations were:

- Coding syntax is similar to C language.
- The serial monitor print the count of people entering the hall.

PROBLEMS AND TROUBLESHOOTING:

1. First Problem that I faced was that the serial monitor was printing 0 and 1 only because (int count=0) was included in void loop.

LEARNING OUTCOMES:

In this I learned the practical use of ultrasonic distance sensor and ARDUINO UNO.