

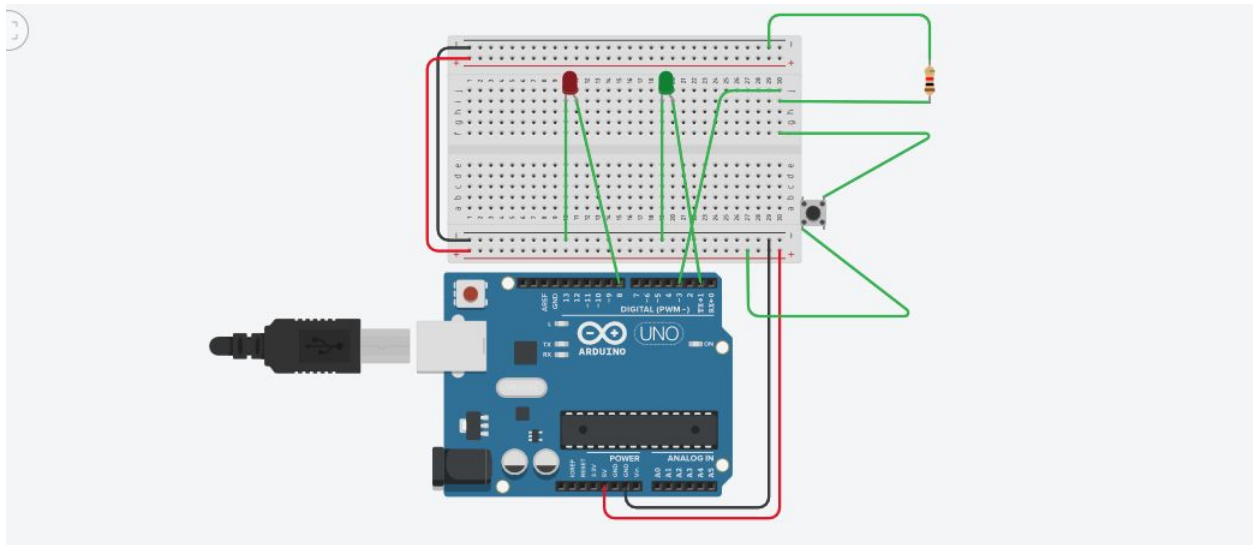
BEEE Evaluation Report Phase-I

Aim

Design a system for LPG gas burners such that, whenever it is turned on, a green LED starts blinking and if it stays on for more than 2000 ms, instead of the green LED, a Red LED starts blinking

Concept Used:

Basic knowledge of connection of wires, understanding the working of Arduino board and all the components of it. Basic Knowledge of BreadBoard, Coding and uploading of Arduino Board using a software Arduino. Connection of LED, wire and Arduino Board. Basic knowledge of electrical equipment is necessary. Basic Knowledge of Electric Circuit and the connection is necessary. Moreover, basic understanding of simultaneously glowing of LEDs and the series of glowing.



Learning and Observations:

The instructions are given to the arduino Board by performing programming in the computer. The language used in this experiment is C. Arduino is used to make the applications more accessible which are interactive objects and its surroundings. It

provides the genuine instructions to the element placed in the breadboard according to the programming done in the software.

PRECAUTIONS:

1. Take care the the programming because the wrong programming can cause problems in the software.
2. MAke sure that the wires and connections are properly connected and are tight.
3. The order of positive and negative terminals should be correct.

PROBLEMS AND TROUBLESHOOTING:

1. Perform the practical after having some practise the concepts of programming language deeply.
2. Place the hardware properly or use the hardware(Breadboard) properly.
3. Check the wires before executing the program. Make sure that the connections are tight properly.

LEARNING OUTCOMES:

From this experiment, we get to know about how to make an LED chaser circuit and got very deep information about the circuits, breadboards, Audrino and programming