Innovation,Employability and Entrepreneurship

SMART HOME

SUBMITTED BY

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Door Buzzer Using PIR Sensor with Button

CODE:

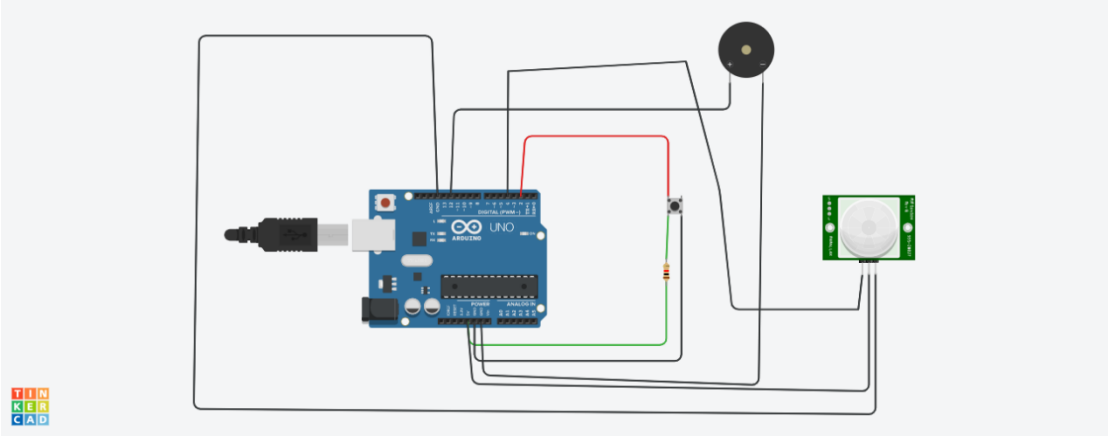
```
        void setup()
{
  Serial.begin(9600);
  pinMode(4,INPUT);
  pinMode(12,OUTPUT);
  pinMode(2,INPUT);
}
void loop()
{
  int p=digitalRead(4);
  Serial.println(p);
    if(p!=0)
    {
      for(int i=0;i<500;i=i+10)
      {
        tone(12,i);
        delay(100);
        noTone(12);
        delay(100);
        int a=digitalRead(2);
```

```
      if(a==0)
        break;
    }
  }
}
```

TINKERCAD LINK:

https://www.tinkercad.com/things/9IhvYYWfCgw-tremendous-crift-tumelo/editel?sharecode=iBoT2eO2jAUmLEyil6NPmvdC4FOf-KN0auAIQSN8Hic

FIGURE:



DESCRIPTION:

Whenever anyone comes in the path/range of PIR Sensor it detects the motion of the object from the sensor and if the object is in the defined range,it sends the High Signal to the buzzer and the buzzer starts beeping.Then the sound of buzzer can be stop by using the button(it shows that the door has open).