ASSIGNMENT-1

INTERNET OF THINGS

K.BEVIN KUMAR

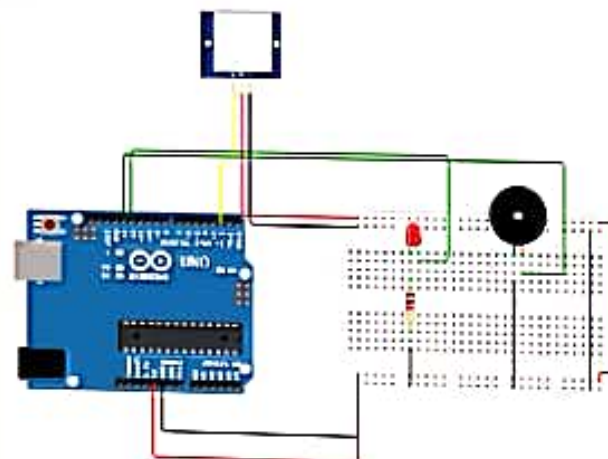ECE - III YEAR

HOLY CROSS ENGINEERING COLLEGE

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```
1   int pinsensor =2;
2   int pinLed =12;
3   int pinBuzzer =13;
4   int PIRsensor =8;
5
6   void setup ()
7   {
8     pinMode(pinsensor, INPUT);
9     pinMode(pinLed, OUTPUT);
10    pinMode(pinBuzzer, OUTPUT);
11
12  }
13
14  void loop()
15  {
16
17    PIRsensor = digitalRead(pinsensor);
18    if (PIRsensor == HIGH)
19    {
20
21      digitalWrite(pinLed, HIGH);
22      tone(pinBuzzer, 1000, 500);
23
24    }
25
26    else {
27
28      digitalWrite(pinLed, LOW);
29    }
30
```

Simulation

sketch.ino diagram.json Library Manager ▼

Simulation

```
 9    pinMode(pinLed, OUTPUT);
10    pinMode(pinBuzzer, OUTPUT);
11
12  }
13
14  void loop()
15  {
16
17    PIRsensor = digitalRead(pinsensor);
18    if (PIRsensor == HIGH)
19    {
20
21      digitalWrite(pinLed, HIGH);
22      tone(pinBuzzer, 1000, 500);
23
24    }
25
26    else {
27
28      digitalWrite(pinLed, LOW);
29    }
30
31    delay(10);
32  }
33
34
```

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```
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26    else {
27
28      digitalWrite(pinLed, LOW);
29    }
30
31    delay(10);
32  }
33
34
```

Simulation

🔄 | ⏹ | ⏸

Restart the simulation

⏱ 00:08.399 ⏲ 61%

Simulation

Code

00:01.566 31