REPORT(BEEE PROJECT)

**DATE OF PERFORMANCE-21-10-2019**

**SECTION&UID-IOT-1(B)&19BCS4557**

**SUBJECT CODE-ECP-116**

**AIM-DESIGN A GIFT BOX**

**APPRATUS USED-ARDUINO UNO,RED LED,GREEN LED,PIEZO,PHOTORESISTOR,RESISTOR,BREADBOARD,WIRES,USB,LAPTOP/PC.**

**CODE-**

void setup()

{

pinMode(2,OUTPUT);

pinMode(3,OUTPUT);

}

void loop()

{

int i=0,l=analogRead(A0);

if (l>=500)

{

tone(0,4000);

delay(1000);

digitalWrite(2,HIGH);

delay(100);

digitalWrite(2,LOW);

delay(100);

digitalWrite(3,HIGH);

delay(100);

digitalWrite(3,LOW);

delay(100);

}

else

{

noTone(0);

digitalWrite(2,LOW);

digitalWrite(3,LOW);

}

}

SOURCE OF ERRORS-

1.setup for the experiment must be correct.

2.led and other equipments must be working.

PRECAUTIONS-

1.WE MUST CHECK THE POLARITIES OF THE CONNECTION WHICH WE ARE MAKING.

2.WIRES SHOULD BE OF DIFFERENT COLORS FOR DIFFERENT PURPOSES.

3.ARDUINO SHOULD BE PROTECTED FROM ANY DAMAGE.

LEARNING OUTCOME-

1.WORKING ON ARDUINO UNO

2.USE OF DIFFERENT SENSORS LIKE PIEZO AND PHOTORESISTOR

3.SETUP OF A CIRCUIT.