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College Name:Government College Of Engineering Assignment:1

Program:

float temp; float vout; float vout1; int LED = 13; int gasSensor; int piezo = 7; void setup()

{

pinMode(A0,INPUT); pinMode(A1,INPUT); pinMode(LED,OUTPUT); pinMode(piezo,OUTPUT); Serial.begin(9600);

}

void loop()

{

vout=analogRead(A1); vout1=(vout/1023)\*5000; temp=(vout1-500)/10;

gasSensor=analogRead(A0); if (temp>=80)

{

digitalWrite(LED,HIGH);

}

else

{

digitalWrite(LED,LOW);

}

if (gasSensor>=100)

{

digitalWrite(piezo,HIGH);

}

else

{

digitalWrite(piezo,LOW);

}

Serial.print("in DegreeC= "); Serial.print(" "); Serial.print(temp); Serial.print("\t"); Serial.print("GasSensor= "); Serial.print(" "); Serial.print(gasSensor); Serial.println();

delay(1000);

}