Gas Leakage monitoring & Alerting system for Industries

Assignment – 1

CODE:

```
void setup()
{
Serial.begin(9600);
pinMode(3,OUTPUT);
pinMode(2,INPUT);
}
void loop()
{
int motion=digitalRead(2);
Serial.print("Position is :");
Serial.println(motion);
double data=analogRead(A2);
double n = data/1024;
double volt = n*5;
double off=volt-0.5;
double temp=off*100;
Serial.print("temp value :");
Serial.println(temp);
if(motion==1&&temp>=60)
{
tone(3,3);
}
else if(temp>=60)
{
tone(3,4);
```

```
}
else if(motion==1)
{
tone(3,5);
}
else
{
noTone(3);
}
Serial.print("temp value :");
Serial.println(temp);
if(motion==1&&temp>=60)
{
tone(3,3);
}
else if(temp>=60)
{
tone(3,4);
}
else if(motion==1)
{
tone(3,5);
}
else
{
noTone(3);
}
}
```