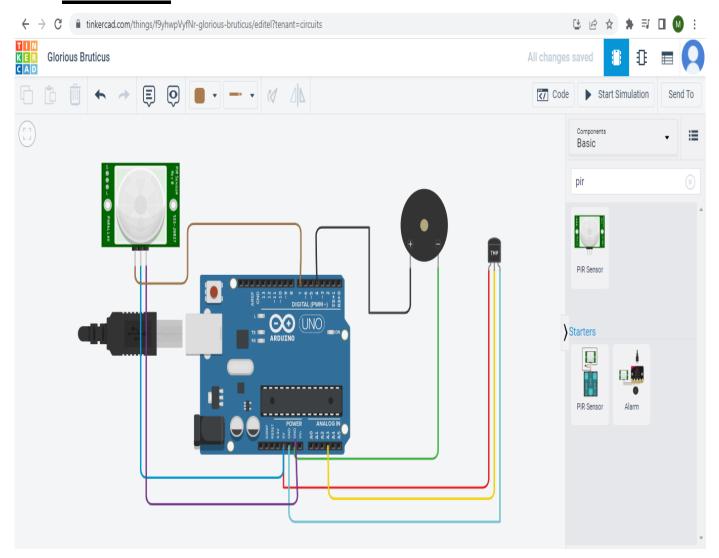
Assignment -1Smart Solution for Railways

Assignment Date	25 September 2022	
Student Name	K.Manikandan	
Student Roll Number	721219106025	
Maximum Marks	2 Marks	

Circuit:



Code:

```
void setup()
{
Serial.begin(9600);
```

```
pinMode(4,OUTPUT);
pinMode(7,INPUT);
void loop()
intmov=digitalRead(7);
doubledt=analogRead(A3);
double n=dt/1024;
double volt=n*5;
double offset=volt-0.5;
double temp=offset*100;
Serial.print("Temperature Detected: ");
Serial.println(temp);
if(mov==0){
Serial.println("No Motion Detected");
if(mov==1)
Serial.println("Motion Detected");
tone(4,100,1000);
if(temp>60){
tone(4,400,1000);
```

Output:

