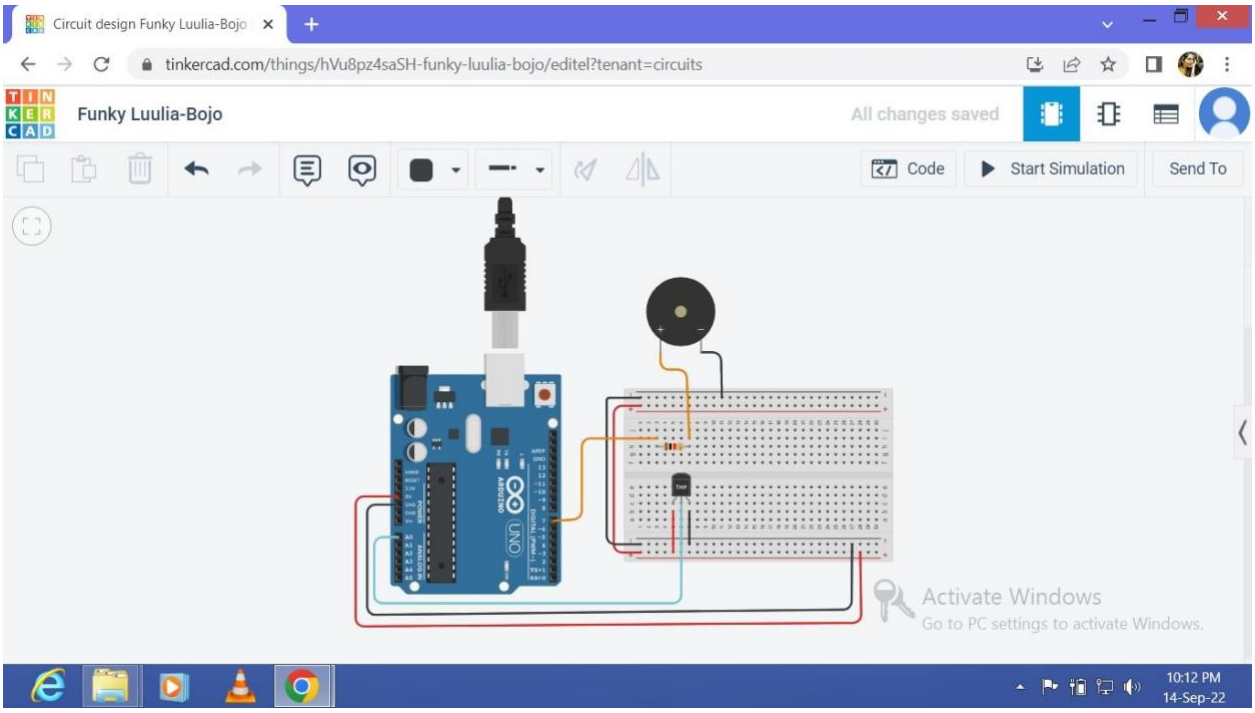
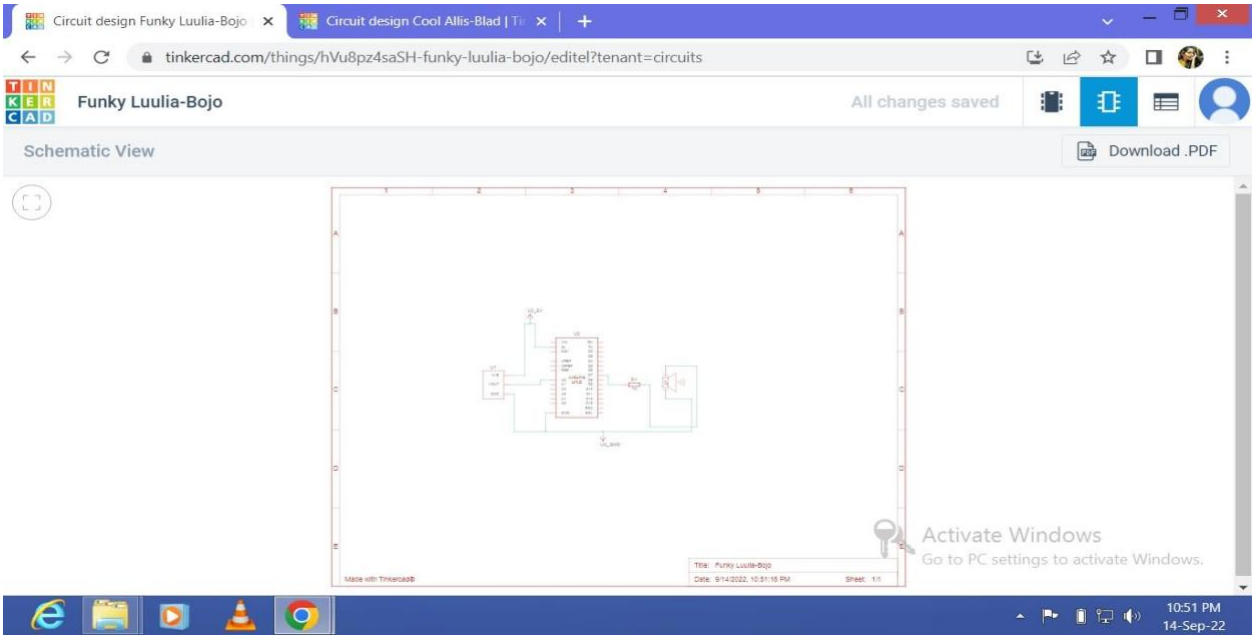
1. Temperature sensor

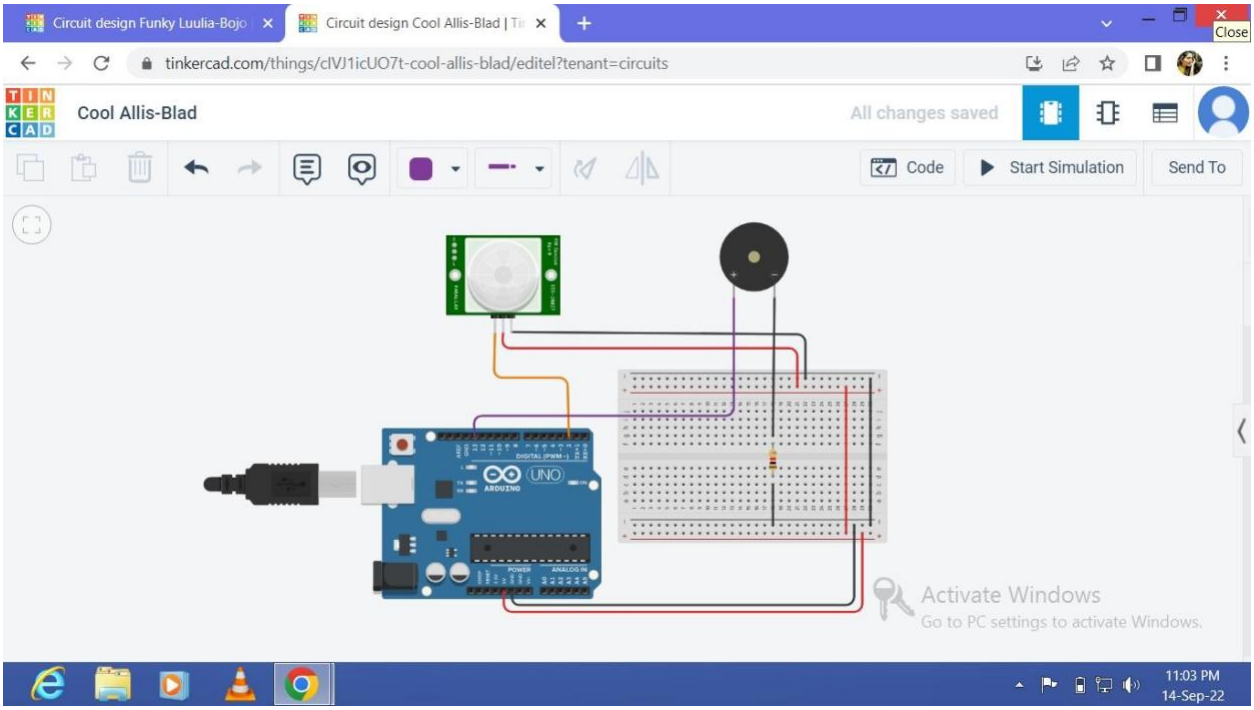


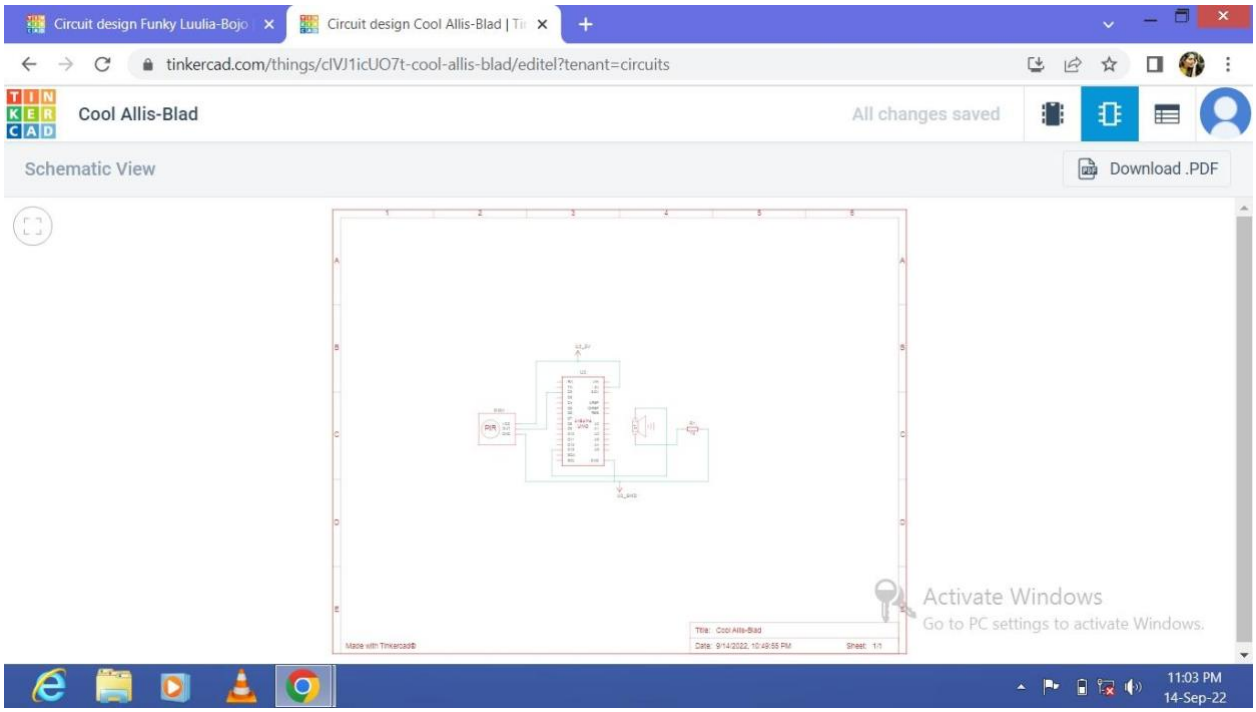


```
int baselineTemp = 0;
int celsius = 0;

void setup()
{
  pinMode(A0, INPUT);
  Serial.begin(9600);

  pinMode(7, OUTPUT);
}

void loop()
{
  baselineTemp = 60;

  celsius = map(((analogRead(A0) - 20) * 3.04), 0, 1023, -40, 125);

  Serial.print(celsius);
  Serial.print(" C, ");

   if (celsius < baselineTemp) {
  }
  if (celsius >= baselineTemp && celsius < baselineTemp + 10) {
  }
  if (celsius >= baselineTemp + 10 && celsius < baselineTemp + 20) {
  }
  if (celsius >= baselineTemp + 20 && celsius < baselineTemp + 30) {
```

```
    tone(9, 220, 100);
    delay(100);
  }
  if (celsius >= baselineTemp + 30) {
    tone(7, 220, 100);
    delay(100);
  }
  delay(1000);
}
```

2. Motion sensor





```
int pinSensor =2;
int pinBuzzer =13;

void setup()
{
  pinMode(pinSensor, INPUT);
  pinMode(pinBuzzer, OUTPUT);

}

void loop()
{

  pinSensor = digitalRead(pinSensor);
  if (pinSensor == HIGH)
  {

    tone(pinBuzzer, 1000, 500);

  }

  else {

    digitalWrite(pinBuzzer, LOW);
  }

  delay(100);
}
```