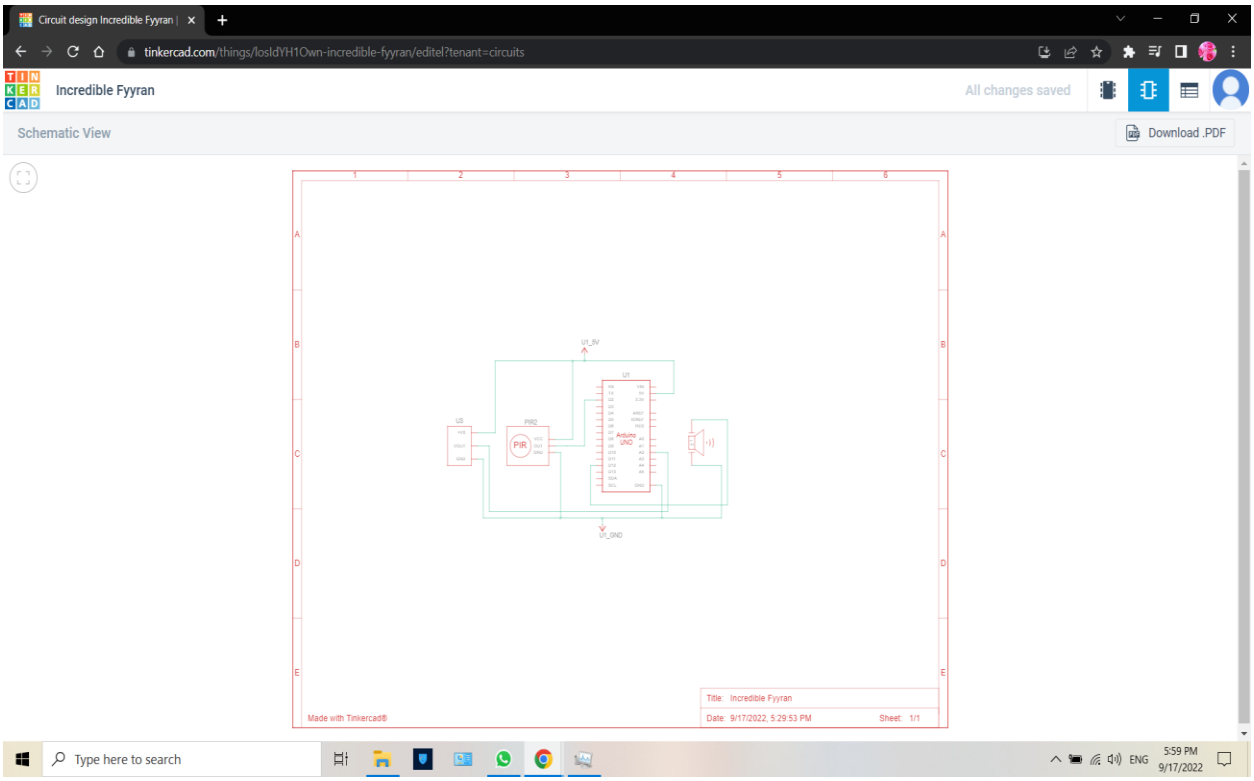
SCHEMATIC DESIGN



CIRCUIT DESIGN

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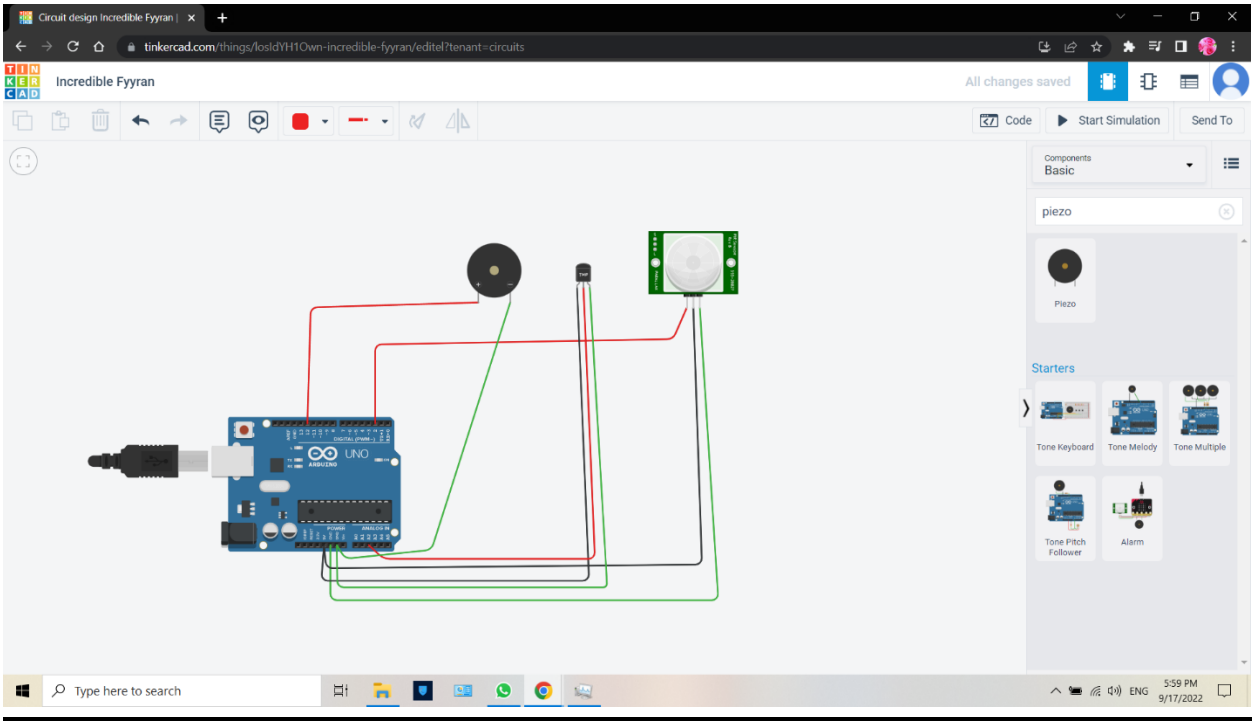

PROGRAM;

```
// C++ code
//
void setup()
{
```

```
  Serial.begin(9600);
  pinMode(2, INPUT);
  pinMode(12, OUTPUT);
 }

void loop()
{
  int motion=digitalRead(2);
  if(motion==1)
  {
    Serial.println("Motion is Detected !");
    tone(12,10);
    delay(1000);
    noTone(12);
    delay(3000);
  }
  else
```

```
  {
    Serial.println("No Motion!!!");
    delay(1000);
  }
  double data=analogRead(A2);
  double n=data/1024;
  double voltage=n*5;
  double offsetvol=voltage-0.5;
  double temp=offsetvol*100;
  if(temp>60)
  {
    Serial.println("Temperature higher than 60
degrees !!");
    Serial.println(temp);
    tone(12,10);
    delay(1000);
    noTone(12);
```

```
    delay(3000);
  }
   else
  {
     Serial.println("Temperature lesser than 60 degrees
!!");
     Serial.println(temp);
     delay(1000);
  }
}
```