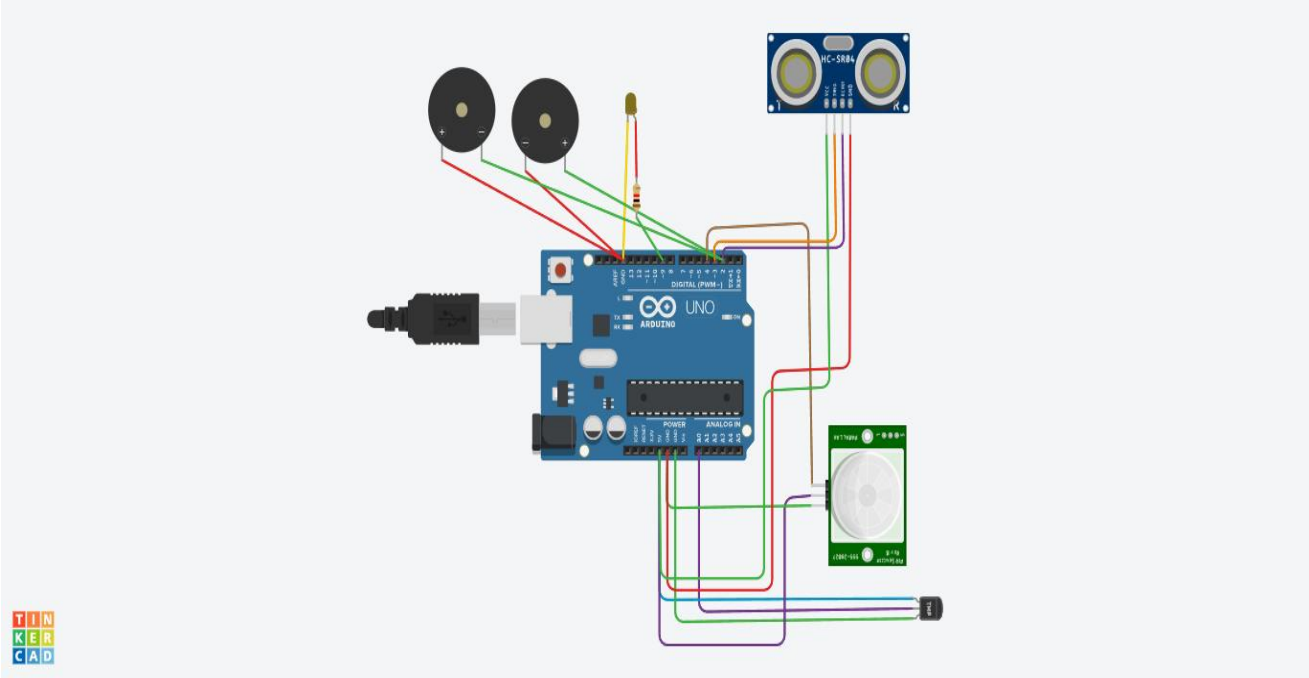


CODE:

```
#include <LiquidCrystal.h> //LCD library
#define echo 2
#define trig 3
float  duration;
float  distance;
int sensor_Input;
float temp;
LiquidCrystal lcd(13, 12, 11, 10, 9, 8);

void setup()
{
  pinMode(trig, OUTPUT);
  pinMode(echo, INPUT);
  Serial.begin(9600);
  lcd.begin(16, 2);
}

void loop()
```

```
{
  time_Measurement();
  distance = duration * (0.0343)/2;
  display_distance();
  measure_Temp();
}

void time_Measurement()
{
  digitalWrite(trig, LOW);
  delayMicroseconds(2);
  digitalWrite(trig, HIGH);
  delayMicroseconds(10);
  digitalWrite(trig, LOW);
  duration = pulseIn(echo, HIGH);
}

void measure_Temp()
{
  sensor_Input = analogRead(A0);
  temp = (float)sensor_Input / 1024;
  temp = temp * 5;
  temp = temp - 0.5;
  temp = temp * 100;
  Serial.print("Temp in C: ");
  Serial.print(temp);
  Serial.println();
}

void display_distance()
{
   Serial.print("Distance in Cm: ");
   Serial.print(distance);
   Serial.println();
   delay(100);
}
```