Arduino Code

```
//Inputs
float Vin, Pin, Iin, lead_temp, dist_temp;
int minutes;
int shutoffCounter = 12;
unsigned long int Time;

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

void loop() {
  send_bluetooth();
  shutoffCounter--;
}

void timeElapsed(){
  Time = millis();
  minutes = ((Time)/1000)/60;
}

void send_bluetooth(){
  timeElapsed();
  Vin = 4.98;
  Iin = 2.00;
  Pin = 9.96;
  lead_temp = 78.40;
  dist_temp = 84.60;

  Serial.print(Vin);
  Serial.print("|");
  Serial.print(Iin);
  Serial.print("|");
  Serial.print(lead_temp);
  Serial.print("|");
  Serial.print(dist_temp);
  Serial.print("|");
  Serial.print(Pin);
  Serial.print("|");
  Serial.print(minutes);
  Serial.print("|");

  if (shutoffCounter == 0){
    shutoff();
  }
```

```
  delay(2000);//small delay for each value sent
}

void shutoff(){
 delay(1000);
 Serial.print("X|X|X|X|X|X|");
 delay(30000);
 shutoffCounter = 10;
}
```