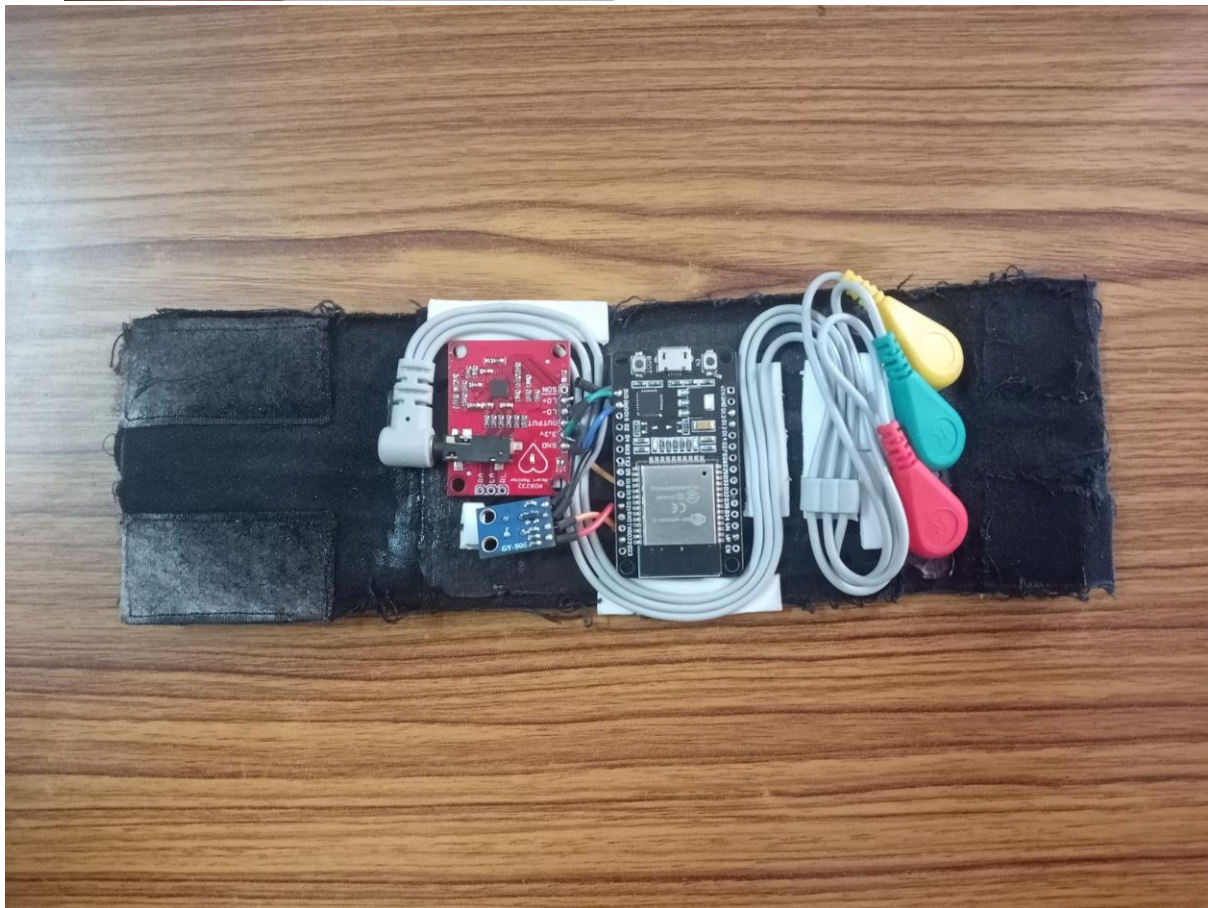
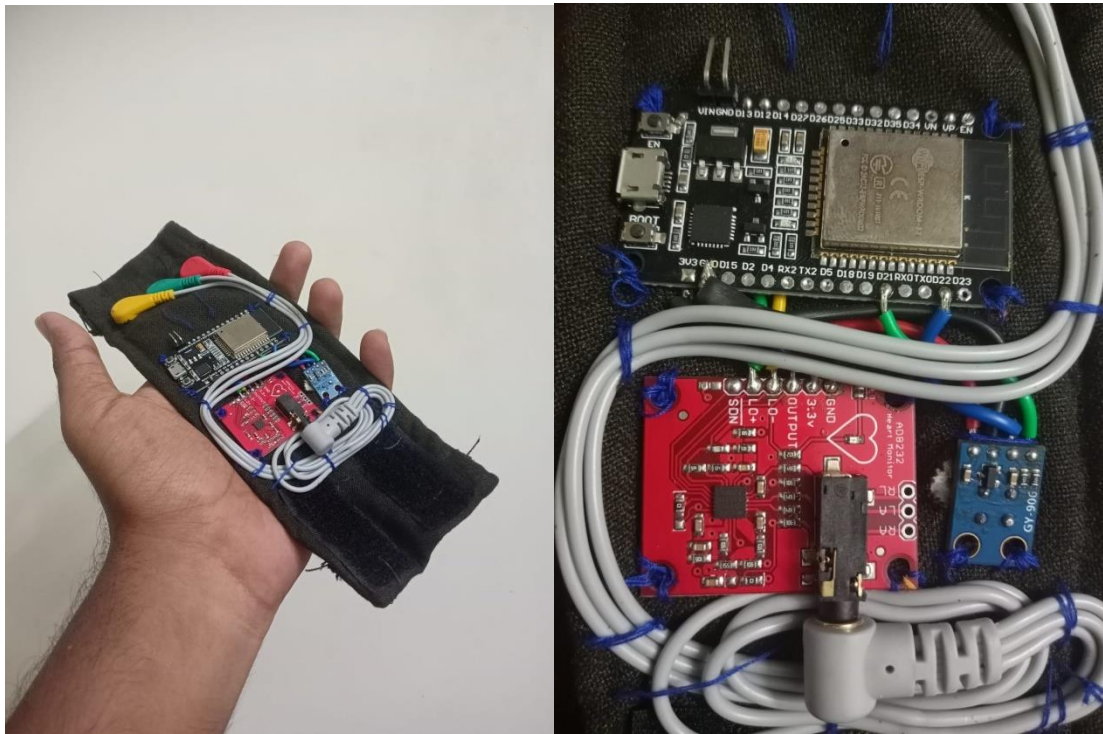


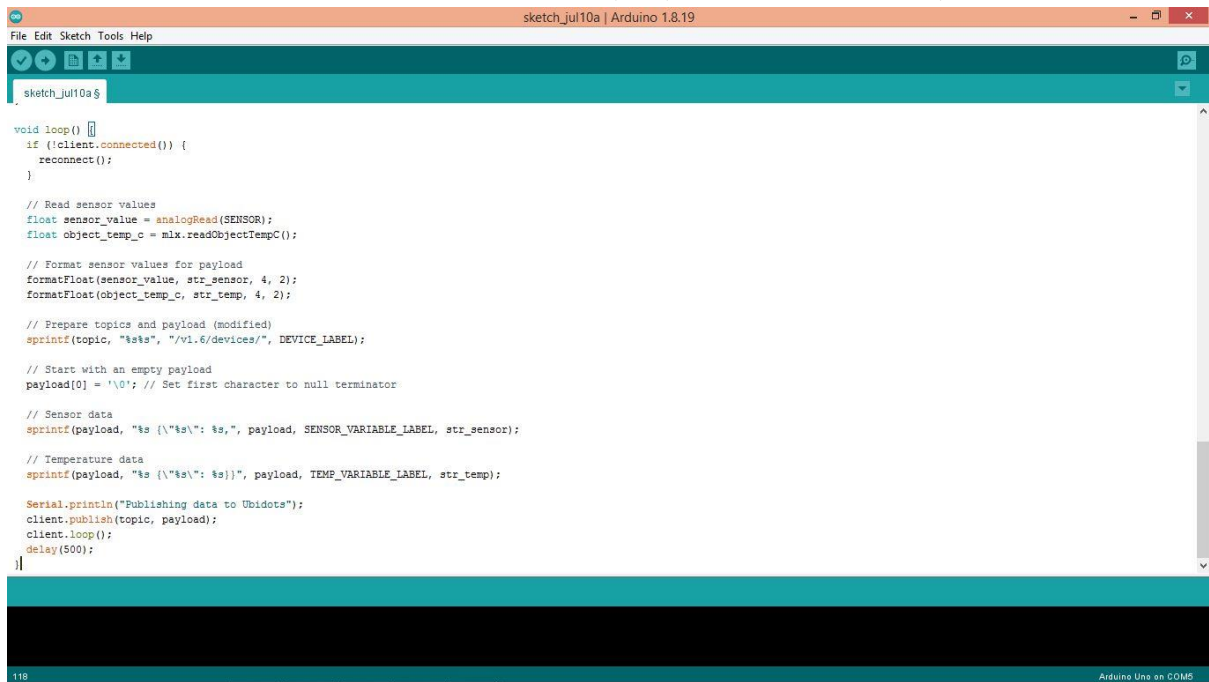
PANICSYNCSIGHT

PANIC ATTACK DETECTION SYSTEM



PANICSYNCSIGHT

PANIC ATTACK DETECTION SYSTEM



```
void loop() {  
  if (!client.connected()) {  
    reconnect();  
  }  
  
  // Read sensor values  
  float sensor_value = analogRead(SENSOR);  
  float object_temp_c = mlx.readObjectTempC();  
  
  // Format sensor values for payload  
  formatFloat(sensor_value, str_sensor, 4, 2);  
  formatFloat(object_temp_c, str_temp, 4, 2);  
  
  // Prepare topics and payload (modified)  
  sprintf(topic, "%s", "/v1.6/devices/", DEVICE_LABEL);  
  
  // Start with an empty payload  
  payload[0] = '\0'; // Set first character to null terminator  
  
  // Sensor data  
  sprintf(payload, "%s {\\"%s\\": %s, ", payload, SENSOR_VARIABLE_LABEL, str_sensor);  
  
  // Temperature data  
  sprintf(payload, "%s {\\"%s\\": %s}", payload, TEMP_VARIABLE_LABEL, str_temp);  
  
  Serial.println("Publishing data to Ubidots");  
  client.publish(topic, payload);  
  client.loop();  
  delay(500);  
}
```

The panic attack detection system proposed herein is designed to revolutionize the management and intervention of panic attacks, particularly in individuals prone to experiencing them due to conditions such as PTSD or C-PTSD. At its core, the system aims to provide timely and accurate detection of panic attacks through the integration of advanced sensors, algorithms, and real-time data processing techniques.

Panic attacks, characterized by sudden and intense episodes of fear and anxiety, can significantly impact an individual's quality of life if left undetected and untreated. The development of an efficient and non-intrusive detection system for panic attacks is crucial for timely intervention and support. In this project, we propose a Panic Attack Detection System utilizing the ESP32 microcontroller along with physiological sensors such as Photoplethysmography (PPG) and skin temperature sensors. Panic Sync Sight is an innovative system designed to detect panic attacks and provide enhanced therapeutic insights for individuals suffering from PTSD and CPTSD.