# Making a new tomorrow in cyber stalking and e worms

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March 19, 2023

# Contents

## 0.1 Problem statement

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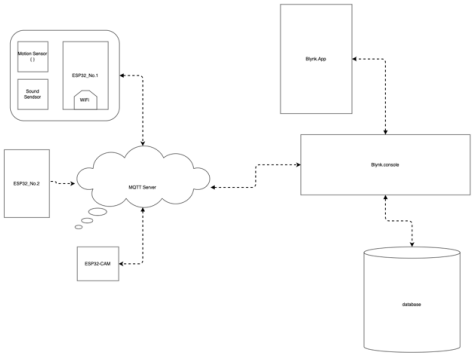


Figure 1: net work architecture

## 0.2 Illustration of network architecture

Following the problem statement, we have to design the architecture base on three different terminal using three ESP32 MCU.

The first terminal which connect to the all sensor component will try to get the data. And then when the data value reach to a limit then send a message to MQTT server by Wi-Fi connection, at the same time send the data to "Blynk.console" to show the data.

The MQTT server will subscribe the topic

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## 0.3 Illustration of the hardware setup

This part will explain the circuit and wire connection.

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### 0.3.1 esp32No1 Sensor

This is the part ESP32 to connect to the sensors.

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### 0.3.2 esp32No2 Buzzer

This part is talking about the ESP32 connect to the buzzer. this is a quite simple circuit we connect the 3.3 to power and gun to gun. and then connect the sig pin to D12 to set the data trans.

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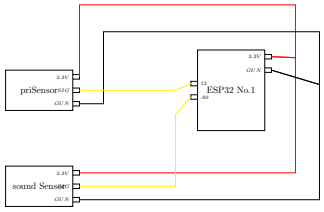
Figure 2: ESP32 no.1 connect to sensors

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### 0.3.3 esp32Cam

This part is the connection about the Esp32 Camera can be flash under the develop mode. And when we leave the development mode then just unplug all the wires except the power and ground.

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Figure 3: ESP32 no.2 connect to buzzer and LED-display

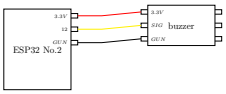


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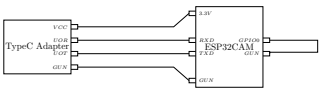
Figure 4: ESP32 CAM

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