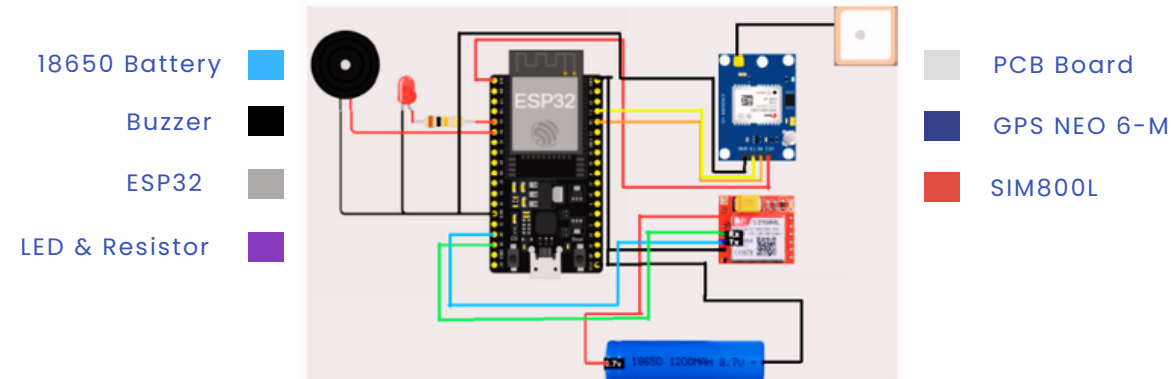


TRACKGUARD : USER GUIDE



I. Key Definition

ESP32	: As the main brain of the system
LED	: Giving signal to ESP32 (Connected)
Buzzer	: Giving auditory signal to ESP32 (Connected)
Resistor	: Limit electrical current and prevent damages
SIM800L Module	: Connecting & enabling ESP32 via a SIM card
GPS NEO 6-M	: ESP32 as monitor and read real-time data
Battery	: Providing power
PCB	: Arranging & connecting between devices

II. Components

ESP32	: Main system, Connect to 18650 Battery
LED	: Connect to Resistor towards PIN34
Buzzer	: Connect the Buzzer to PIN35 & GND
SIM800L Module	: Connect to ESP32 GND
GPS NEO 6-M	: Connect the RX/TX to ESP32 PIN20&18
Battery	: Connect the battery to SIM800L VCC Pin

III. Setup Instruction

- 1.Insert the SIM card into the designated slot.
- 2.Insert battery to the designated slot
- 3.Wait for the LED indicator to show a stable connection.
- 4.Include your Access Token on Thingsboard
- 5.All Done!

IV. Operation Guide

1. TrackGuard will start monitoring and transmitting location data.
2. Monitor real-time data through the ThingsBoard platform.

V. Caution and Safety

- 1.Keep TrackGuard away from water and extreme temperatures
- 2.Respect privacy laws and obtain consent when monitoring individuals.
- 3.Use TrackGuard responsibly, and adhere to local regulations regarding tracking devices.

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