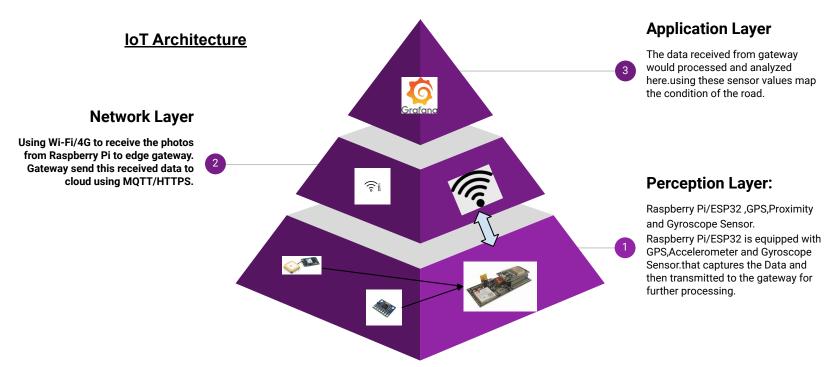
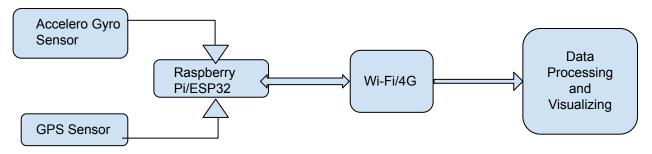
Estimating Road condition using GPS, Accelerometer and Gyroscope data



Block Diagram:



Raspberry Pi/ESP32 ,GPS,Proximity and Gyroscope Sensor.

Raspberry Pi/ESP32 is equipped with GPS, Accelerometer and Gyroscope Sensor that captures the Data and then transmitted to the gateway for further processing. Using Wi-Fi/4G to receive the photos from Raspberry Pi to edge gateway. Gateway send this received data to cloud using MQTT/HTTPS. The data received from gateway would processed and analyzed here using these sensor values map the condition of the road.