

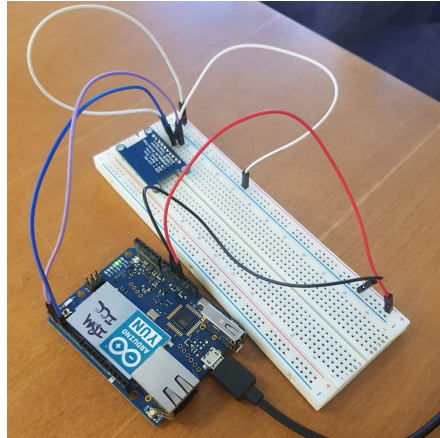
Bus Driver Scoring

Group 8 Team Members:

- Orkan Akisü
- Yalın Deniz Tektaş
- Ceren Tahtasız

Problem:

Bus drivers should be monitored and assessed continuously to ensure convenient drive to passengers.



Solution:

- Adafruit sensors are placed on the ceiling of the buses (near middle door).
- Connected to IBM Cloud using MQTT and WiFi at bus depot
- Cloud controller uses data from the sensor to calculate driver score
- Reporting driver scores over time

Technologies: Arduino YUN, Adafruit 10-DOF IMU (L3DG20H gyroscope + LSM303DLHC accelerometer compass + BMP180 barometric/temperature sensors), IBM Cloud

Problem Solution: IoT Architecture

