**Problem Definition**

Passengers who use public transportation has a right to have a safe and convenient drive but there are negligent drivers who cause risk and discomfort to traffic and passengers. There’s no portable and autonomous measuring device for continuous and objective on-board comfort measurements on local transport buses. Without any supervision, this problem will continue to arise.

**Problem Solution**

We gather the data by using the Adafruit sensor that can meausere the acceleration in the three different way (x-y-z). after then, these data are sent to the IBM cloud via MQTT and WiFi at bus deput. In the cloud, these data are processed according to a passenger comfort index. The end of these process reporting driver scores over time.

**TEAM MEMBERS**

**Yalın Deniz Tektas**

I am senior mechanical engineering student at Bogazici University I will graduate in June 2020.  I have an intermediate knowledge in Python programming languages. I am also interested in innovations in the world of iot.

* E-mail: [y.deniztektas@gmail.com](mailto:y.deniztektas@gmail.com)

**Orkan Akisu**

I am senior computer engineering student at Bogazici University, I will graduate in June 2020.

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