IoT Project Report

\*Note: Sub-titles are not captured in Xplore and should not be used

**Martim Duarte Silva Baptista**   
Estudante de Mestrado em Segurança Informática Faculdade de Ciências da Universidade de Lisboa fc56323@alunos.fc.ul.pt**João Fernando Sarmiento Serafim**   
Estudante de Mestrado em Engenharia Informática Faculdade de Ciências da Universidade de Lisboa fc56376@alunos.fc.ul.pt

*Abstract*— For last

# Project Development

This project presents the challenge of developing an application that takes in and processes IoT data obtained from a classical example of an IoT device, a smart phone (iPhone). This data would come from the hardware present in the phone, like the accelerometer and gyroscope, dated and time stamped. Our end goal with this application is to preprocess the data, compute it, and classify the user according to his performance, presenting it in an accessible and intuitive dashboard.

The project consists of five services: The implementation of an MQTT Broker, the implementation of an MQTT subscriber, a Database service, a ML (Machine Learning) Processor and a Dashboard service.

# MQTT Broker

Stuff about MQTT

X

# MQTT Subscriber

Stuff about MQTT subscriber

X

# Database

Stuff about DB

# Machine Learning Processor

Stuff about ML

# Dashboard Service

Dashboard cringe

# Closing thoughts

X