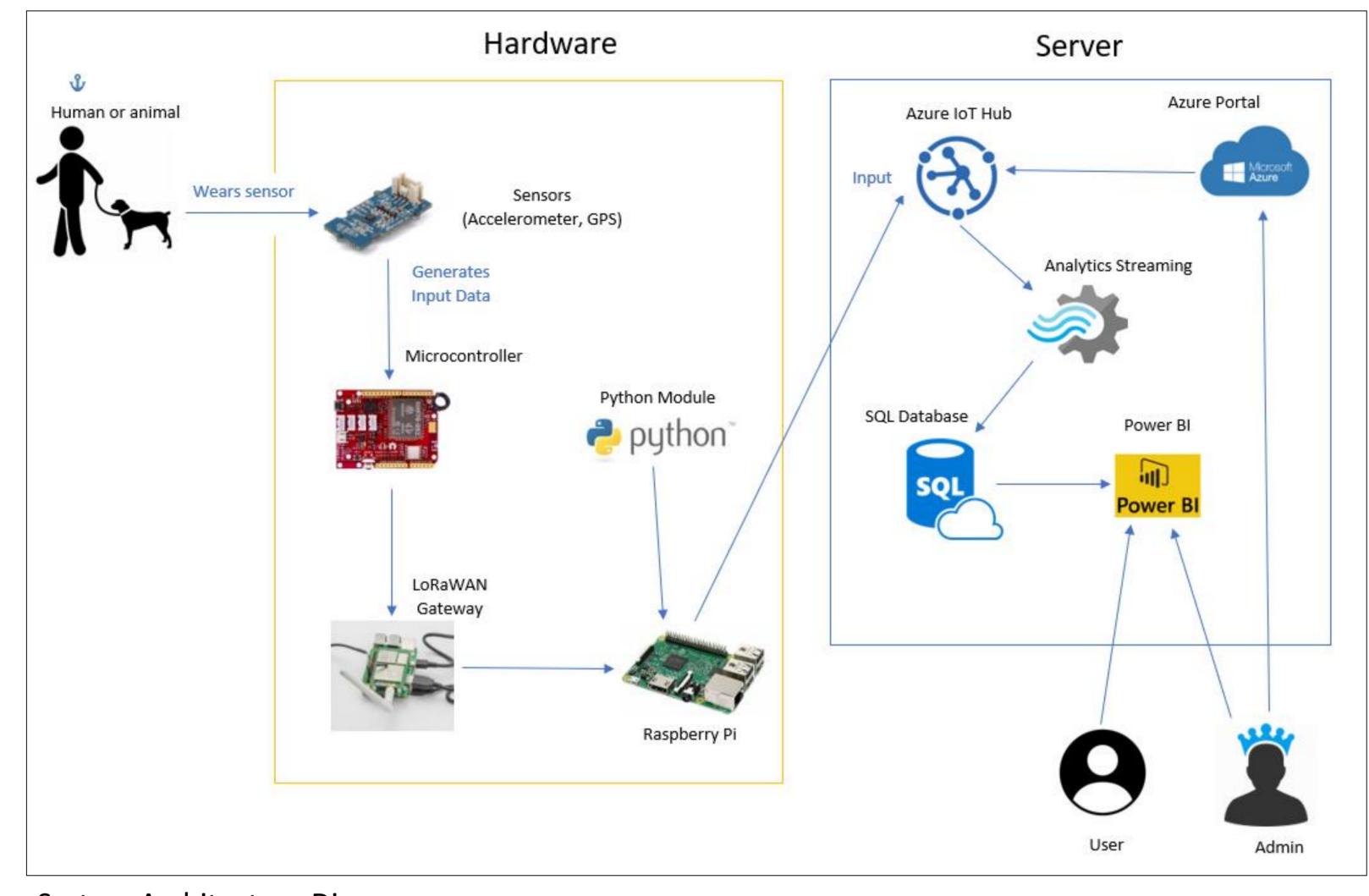


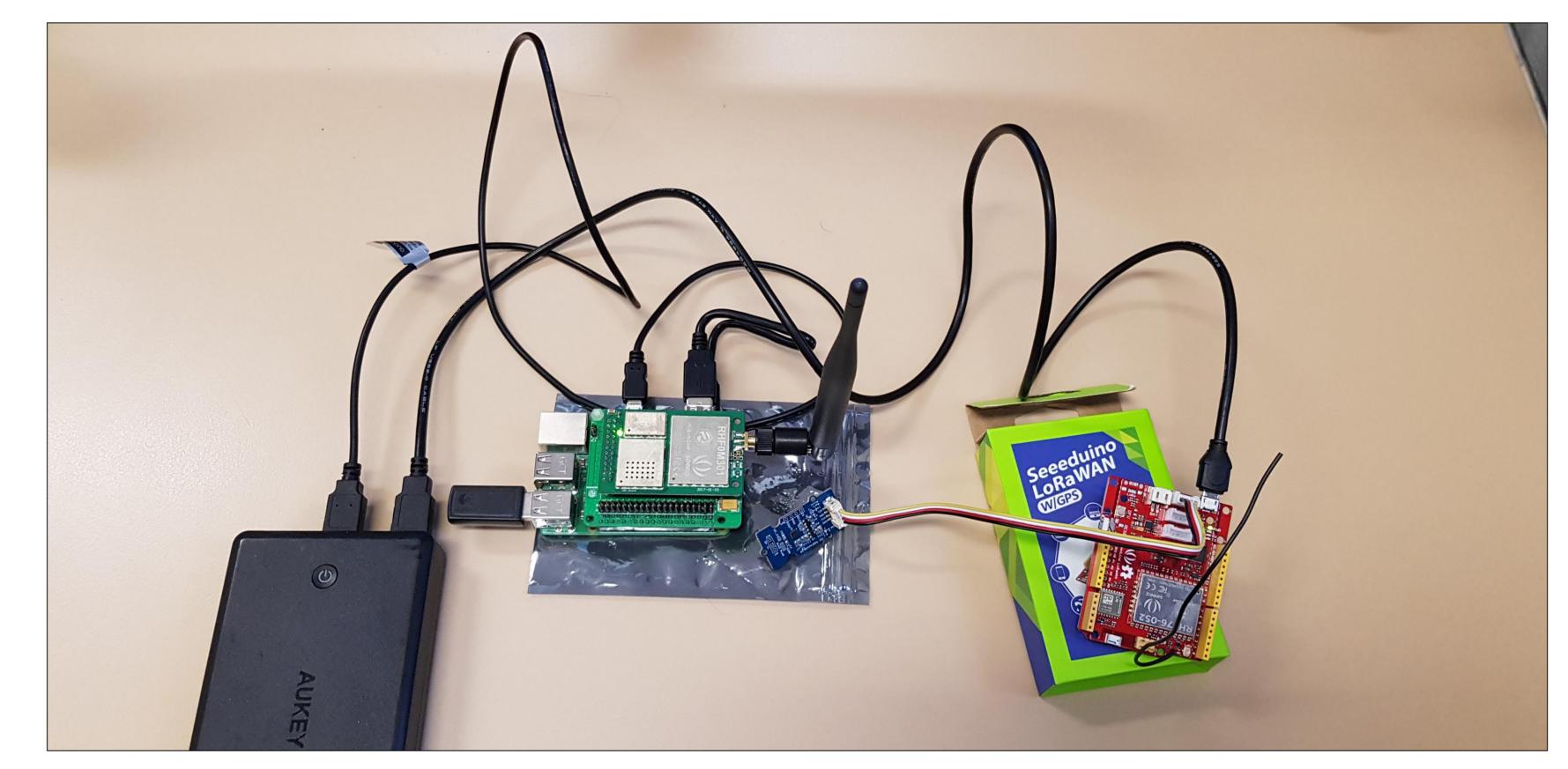


## loT Using LoRaWAN

Department of Computer Science and Information Technology

Industry Project 2019





Hardware

System Architecture Diagram

The IoT Using LoRaWAN system aims to deliver the following outcomes:

- A group of sensors connected through LoRaWAN to a gateway
- A connection through the gateway directly to the IoT platform for sending and receiving the collected data
- An IoT platform set up for managing the data to and from the sensors
- A visualisation environment to illustrate the sensors activities
- A machine learning algorithm to extract features and detect certain patterns in the logged data

Power BI Interface

## **Development Tools**



















## Team F

Team Members: Michael Owczarek, Joel Morran, James Curnow, Remi Petit & Luis Shigetomi

Supervisor: Aidin Bervan Lecturer: Amin B. Abkenar