Minutes

Location: School of Computing Common Room
Date: Thursday 13th December
Not In Attendance: Dharius Robinson, Dan Knox

Attendance: Daniel Carl Beauchamp, Natalie Mclaren

What's Been Done since the Previous Meeting:
N/A

Topics discussed:

- **Data processing:**
    - We have agreed that data processing should happen during two stages:
        - 1. Between the sensor and the database - before it reaches the database. Error checking for example.
        - 2. Between the database the API - smoothing values. We have decided to smooth values at this stage instead should we need raw values at some stage, it will be available to us from the database.
            - So storing just the raw values in the database, which is then smoothed before displaying any visualisations.
    - Dharius to work on data processing
        - Translate IoT Ass 3 smoothing function from Javascript?

- **Case:**
    - Natalie modified the case taking Dan Knox's feedback into account - edges need to be thicker. She also modelled the 'rubber' cover to be slotted into the SD card slot on the case.

- **Source code:**
    - Suggestions of either using classes or splitting up the code into different .ino files which will all combine into one when compiling.
    - Natalie started splitting up code into 'Measurements.cpp', 'EngineeringMenu.cpp', 'SDCard.cpp' but will ask Dan tomorrow whether classes or inos would be most useful giving we are separating purely for reading purposes.

- **Back-end:**
    - Laravel repository has been set up and Daniel has set up a connection to use Influx DB on the Node repository. Awaiting to use the Adalogger tomorrow to test it.
    - https://github.com/Xulai/project-laravel

- **Corpus:**

- Repository for the corpus has been made with details of group members/supervisory and a table with some dummy titles/links to provide the initial structure of the index.
- https://github.com/Xulai/project-corpus

Further Discussion: