Minutes

Location: CC03
Date: Wednesday 4th October
Not In Attendance: Daniel Knox

Attendance: Daniel Carl Beauchamp, Dharius Robinson, Natalie Mclaren

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

Topics discussed:

- **Technology needed:**
    - Looking into building our own LoRa with an Arduino as buying one could be expensive. (Used by Oxford flood network project)
    - Also looking at antennas, and how to protect it from water.
    - Cases for arduinos. (Needs to be shower proof)
    - Ultrasonics - not as costly as we thought. (Most likely to use this)
    - Discovery of the company Libelium and its LoRaWan module http://www.libelium.com/development/waspmote/documentation/waspmote-lorawan-networking-guide/

- **Networks**:
    - Relying on wifi for town areas.
    - Something a bit stronger for wider river areas.
    - Possibly using 3G mobile networking for outside of city areas.
    - 2 Devices?
        - Wifi for cities
        - 3G for towns and less populated areas

What's Being Done:
By this weekend ideally - each member to create a few scenarios ready to merge with the others for Tuesday.

Further Discussion: