**Meeting Minute notes from meetup: Things Connected Bournemouth**Date: 6th December 2019

Location: Barclays Eagle Labs - Bournemout**h**

Topic discussed was the initialization of a group meetup project [**Air Quality Sensor]**

The meeting revolved around the discussion of starting a group project for air quality monitoring at or around schools within the BCP (Bournemouth Christchurch Poole) region.   
  
Member and organizer of the group Doug, has a few components available to assist the group in building the project. Namely a high quality NO2 sensor, and a quality particle sensor. This is the basis of the route forward....   
  
The NO2 sensor is from Alphasense with a sensitivity of 15:billion ratio.   
TODO: What is the safe ranges of particles? Need to define and research scope monitoring range.  
  
It has been identified their is a current gap in the market for this type of device / solution. Due to the following highlighted reasons :-

* Not very good sensors used in existing solutions.
* No good commercial companies in the space offering

Question: What Vehicle is appropriate and could be used (ownership) for this project?

* Not for profit
* Charity etc

There is a need to muster active volunteers for involvement in the project

Agreed the project will be using open source devices such as Raspberry Pi etc so the code base will also follow the licensing of being open source for this project.   
  
End to End scope?

* Data analysis trends etc
* Number of people involved?
* Github (Version control and life of project security, branching)

Familiarity of tools?

* Good baseline for everyone is acknowledged, so everyone inclusively is involved and can learn new skills and contribute in own way as able.

**Involvement of the broad spectrum of the groups skillset, is a driving force of the project, roles and responsibilities.**

TODO: Vision development > Piecemeal the components and parts of the project.

What support is available / missing?

**What is the product deliverable?**

Discussion points :-

* Funding
  + Innovate UK
  + Cluster
  + Walk to School Week
* Stake holder identification…

What role is the monthly Things Connected Bournemouth meeting in the project?

* Conflict resolution, status updates, reporting and review / feedback
* Doug : [AP] Communication will be via Trello boards. Doug offered to create and setup and share with the group.
* Time is a constraint so we need to be aware of using the monthly meeting effectively.

What is the result of the project?

* Commercial?
* Philanthropic / charity etc…

What to do with any profits from the project?

* Raspberry Pi org model
  + CIC (Community Interest Company)
* Children’s benefit and wellbeing

Technology being open source, there is a danger of exploitation. Pilot project required to usecase and clarify…

Service - Utilization and implementation / definitions required.

PR actions

* Video and pictures etc

Alex : [AP] Discuss with grant guy “Kevin” possible funding options

Digital catapult - Nestor are highlighted as possible funding venues.   
  
Board roles of project need definitions and purpose defined.  
  
Kids involvement with project was discussed and agreed would be a nice inclusive element at a later stage i.e. STEM clubs. Generational Change!!  
  
Alex : [AP] Agreed to sell our awesome product

Framework / Methodology ?

Alex : [AP] Trello pitch/skills card template