Project Proposal Revision Workshop

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Week 4 - Revision Summary

1. How can you improve your group's presentation?

The introduction should be done focusing to the exact point. Clear description about data flow including what kind of data can be calibrated from sensors and how often data would be monitored, should be done at the presentation. Accuracy of sensors, time period for receiving data from sensors, size of data that has to be put on to server should be presented.

Security aspect which are to be done should be explained considering both embedded system(our device) and server-side of it. Reasons for using each technology to implement the embedded system should be explained.

The presentation should be done after discussing all the aspects of the practical situation and examining data sheets with the group members.

2. What are the changes/improvements you need to do in your project's design?

(make sure to update your blog with the improved design)

1 Factory owners can take nodes and keep them somewhere else. To detect that, we have to track the location of our device.

2. There should be a way to detect weather a sensor has been replaced by someone or data taken from sensors have been changed.

3. It should be designed to send a alert when it has exceed the limitation for discharging polluted air at a considerable time period.

3.Make a list of things you need to learn about in order to complete your project:

1. how to use software (Heroku, Node.js, Firebase) which are to be going to use at our project

2. how each sensor works, type of data of sensors

3. how to connect GPRS module to web server through MQTT

4. how to connect components of the circuit

5. how to provide security for the device and data which are sent to the server

6. check whether there is a factory In order to test our device.