

Logbook

This is your logbook. Insert here all relevant information regarding the evolution of your project

Weekly Report

1st Week Report

In this week we started to get to know each other. We were also assigned to a group and started to think and choose one of the projects. We made the decision that we will work on the Level/Weight Monitoring System for a Waste Oil Storage Tank.

2nd Week Report

In this week we started to search for information about the project we will be working on. We also had some group meetings. We worked on the following points.

- Search for sensors, gsm/gps modul,
- we had a meeting with Prof. Nidia
- we began to write the report
- we made a first test with the sensor
- we creat our task list and make the gantt chart

3rd Week Report

This week it was a hard week, because we had a lot of classes so it was difficult to work very good on the project. We got some paper boxes and made a prototype of our container, also we get the key from the company and we looked inside the container. Also we made a second test with our prototype. It still works. After that we searched also for diffrent types of battery and sensors and we think about the communication modul. We also made a marketing index.

4th Week Report

In this week we made some tests with the prototype.

5th Week Report

We put our prototype box into the container. And we tried to find a solution how to put the box inside the container. We also worked on the marketing plan and we searched the market for the competitors

6th Week Report

We wrote our midterm report and also we started to made the presentation.

7th Week Report

We finished the presentation. And we had the presenation with the supervisors and the other teams.

8th Week Report

We searched for more information about the ultrasound system and the battery.

9rd Week Report

Fill in with a short description of your activities during this week

10rd Week Report

Fill in with a short description of your activities during this week

etc.

Meetings

1st Meeting (2012-03-01)

Agenda:

1. Presentation
2. Modus operandi
3. Project proposal
4. Electronic Logbook

Minute:

2nd Meeting (2011-03-08)

Agenda:

- 1) About the oil tank

- 2) About the main controller
- 3) About the sensors
- 4) Communication
- 5) Power source
- 6) Local interface
- 7) Data acquisition
- 8) Container

Minute:

We have asked some questions about our project and we got some ideas. They gave us some recommendations on how to approach the problem. We also try to explain how we will go on. The supervisors gave us some points to think about. Look at the List below.

- Information about the container (the waste oil is in bottles, there are different types of containers)
- Study the different types of sensors (range of sensors, communication, price, use one voltage)
- Local interface
- Configuration (because of the different type of containers)
- Think about the logistic
- Load Cells

3rd Meeting (2011-03-15)

Agenda:

- 1) Power supply
- 2) The problem of the bottles all in one side

Minute:

In this Meeting we talk about

1.) Power Supply

- make a table of pro and contra, which power supply is better
- Solar Panels, Battery (Low Cell Discharge rate)

2.) Problem with the bottles

- we get the information, that it will be enough to know, that the container is almost full
- We should try to find a local seller for our sensor

3.) Container

- One Option is to design a new container

4.) Materials

- make detailed list of materials we are going to buy

4nd Meeting (2011-03-22)

Agenda:

- 1) About the battery types.
- 2) About the arduino (atmega) sleep mode and voltage regulator consumption vs atmega standalone chip.
- 3) About the local interface.
- 4) Communication shield and pins used.
- 5) Marketing
- 6) Web interface

Minute:

- We should make an item list for the next meeting.
- The arduino mini as an alternative for low power consumption.
- We have to put all information into the drop box

5nd Meeting (2011-03-29)

Agenda:

- 1) Web interface (Advice on some Options like php, cgi, java ? etc)
- 2) The local interface (Last meeting we discuss a bit about this, so should we really make a simple local light indicator or just an option for the web interface to get the value which could be accessed by a mobile phone with internet connection for example.)

Minute:

- Our questions were answered and we discussed about them.
- We also went through many aspects as the prototype, the 3D computer model.
- We were told to make more detailed task list inside each main task we have.

6nd Meeting (2011-04-11)

Agenda:

- 1) Reciever interface - Communication Program (C++) <-> Gsm PEN.
- 2) Discussion about the sleep mode - we thought to use the watchdog but can only sleep.

maximum of 8sec but many times. Other option would be to use some kind of alarm clock externally.

3) Advice on which program to use for the java web programming.

4) When should we expect to receive the materials?

Minute:

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Activities

Please register here all project activities

Start	End	Task	Description	Who

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