1 Group meeting summaries

11. September

1.0.1 Agenda

- Group name
- Group logo
- General brainstorm
- Group contract
- Communication infrastructure

The moderator was Nikolaj. Everyone was present at the meeting. The meeting took 3 hours.

1.0.2 Group name

Through a brainstorm it was concluded that a combination characteristics of ourselves and the robot we should work on would be appropriate. The word flexible and international came together and formed the word interflex.

1.0.3 Group logo

The logo should represent our group as well as the robot we want to manipulate. A logo was then derived from the idea of the pixar arm that is a part of the name. The robot arm holds a globe to symbolize that the robot should do something that benefits the world we live in.

1.0.4 General brainstorm

Under the brainstorm a number of directions were discussed.

Quality check
: A robot that can check the state of a construction or a product to tell people where they need to work.

Welding
: A robot that does complex welding that on objects that is too big to handle for humans

Waste
: A robot that sorts different kinds of waste to maximizing recycling

The group decided to do Waste sorting and had a brainstorm on what areas to cover

Localization
Where is there a marked for this

Profitability
Where in the places there is a marked is there also a chance of making this a profitable product

Sorting
What should be sorted? What is there a need to be sorted. How should it be sorted? (visualization,magnetism or conductivity)

1.0.5 Communication infrastructure

The group decided two ways of sharing data.

One is by dropbox. The files that are suitable for dropbox include pictures, files everyone should read, relevant information about the course.

Thomas (thomas.s.christensen101@gmail.com) is the administrator of the dropbox folder.

The other way is github. The report and everything that is expected to be edited is shared here. The github page is something each member can visit publicly to view the files but must be a member to contribute to the repository. Nikolaj (niive12@student.sdu.dk) is the administrator of the github repository. The address is https://github.com/niive12/interflex.

In order to start the repository with a file structure a temporary document was uploaded so each member have a chance to check their settings before needing to edit the report.

1.1 17. September

1.1.1 Agenda

- Revisit of group contract
- Time Schedule
- SWOT/GPIT/Collaborameter
- Ideation tools

1.1.2 Revisit of group contract

The group decided to re-formulate the group contract to further clarify the consequences of not attending meetings and/or not meeting deadlines repeatedly. The results can be seen in the group contract.

1.1.3 Time Schedule

An overall time schedule was created, involving the most important dates. The schedule is very much subject to change as the order, importance and extent of many of the tasks is unknown at present time.

1.1.4 SWOT/GPIT/Collaboratmeter

Each member of the group filled out the collaborameter, Casper G. Olsen agreed to combine the 7 collaborameters into one, singular group collaborameter.
Due to lack of knowledge about the tasks the GPIT was not populated. Similarly the SWOT was postponed such that the information given by the Belbin test could be part of this.

1.1.5 Ideation tools

As part of the ideation process several pictures were brought to the meeting. The collection of pictures can be seen in the groups dropbox folder. Each picture was placed backside up and each group member drew a picture, saying whatever words came to mind seeing the picture. The general topic of all contributions was written down by Thomas S. Christensen, who also agreed to create an overview of the ideation process.

1. October

Everyone was present at the meeting.
The meeting started at 12.15 and ended at 15.45.

1.1.6 Agenda

- Group Research
- Meeting with supervisors
- Next meeting

1.1.7 Group Research

The group discussed which subjects needed research. We put these subjects within a table (see below) and assigned all the group members to the subjects we wanted to research.

Metal and electronic waste	**Member**
What is on the market already?	David/Xabier
How sorted is it?	Simon
Stena / Marius Petersen / H.J. Hansen	
Which problems are there?	
How sorted should it be?	Kirstine
Profit / Prices on waste?	Casper
Wich materials are being recycled?	Thmoas
Any materials too expensive to recycle?	
When is waste recycled?	Kirstine
How much material in waste	Casper
WEEE	Nikolaj

1.1.8 Meeting with supervisors

The supervisors commented on our group contract. We need to improve it, it has to be more detailed and clear (to avoid future conflicts).
We also talked about how we could proceed with the project. We then talked about some innovations tools to help us with that.

1.1.9 Next meeting

Next meeting will be tomorrow (2. october) starting at 12.15.
Agenda for next meeting is: to improve group contract and what we deside for agenda at the beginning at the meeting.

Casper

2. October

1.1.10 Agenda

- Brainstorm
- Eliminate ideas
- Subject
- Revisit group contract

The moderator was Nikolaj. Everyone was present at the meeting. The meeting took 4 hours.

1.1.11 Brainstorm

The group needed a more specific subject to work with. All the ideas that have been made during the previous samples had been influenced by the overall theme: Waste sorting. This brainstorm started with the intelligent tool and included everything we could make with this beyond waste sorting.

1.1.12 Eliminate ideas

To eliminate ideas the group was divided into two groups to further specify the ideas. Then the ideas were presented to everyone and a subject was picked by voting.

1.1.13 Subject

The chosen subject was a welding robot. The idea is to have a two part detection system so the user can paint (or otherwise mark) where the robot should weld. When the tool gets closer to the marked area it should be able to detect where two pieces of metal is joined. Then it should weld the area where it is marked and is joined.

This would allow the user to mark a lot of different object and the robot can adapt to different shapes and forms.

1.1.14 Group contract

The group contract was revisited in order to be more specific to avoid imprecise phrasing. Each member signed the contract and it is now official.