

<h1>Sundance Weekly Progress Report</h1> <p>Week 2</p>	
<p>30.10.2022</p>	

1. Previous Week's Overview

Last week, we started the week by holding brainstorming sessions for each project and came up with as many ideas as possible for projects. Then, we worked on topics related to the company such as the company's vision-mission, logo, and team members' identities. Next, we planned the short-term plan of the company and prepared a Gantt chart. Later, we combined the previous results into a business statement report. Lastly, since we had some time left, we criticised and evaluated the ideas we came up with earlier for each project.

2. This Week's Progress

This week our primary task was to search the internet throughout. For every project an extensive internet search is conducted. The allocation of internet search between the teammates are mixed, meaning that for a project, idea creation and internet search is differentiated in terms of who mainly did it. This enabled more engagement of team members in projects. The main search is distributed but, at the end of the week, we all came together and debated our findings.

In terms of reporting and handling our findings we used a visual collaboration platform called "miro". A board of photographs is presented for each project and written acknowledgements are given. Written information capture, common properties, distinctive features and description compatibility of the searched projects.

We also determined our group's objectives, which will be used for evaluating the projects. We have various expectations from the project we are going to choose, and we have taken all into account to have a reasonable choice using these objectives. Our expectations include the listed elements below:

1. The project should be compatible with our individual skills and experiences. (0.14)
2. The design process should be fun. (0.15)
3. It is better if the outcome of the project is useful in real life. (0.09)
4. The more creative ideas we have about the project, the better (combining the outcomes of the brainstorming, devil's advocate, and Internet search activities). (0.13)
5. Difficulty of the problems and concepts which will be encountered during the design and the implementation of the project should be moderate for us (not too high, specifically). (0.11)
6. Difficulty of testing the design of the project should be moderate for us. (0.11)
7. It is better for us if the project has a lower workload. (0.16)
8. The components that will be used should be easy to find and buy for us. (0.11)

After we settled an agreement on the objectives, all of these listed objectives were voted by giving each of them points from one to five, individually. We made a normalisation of these objectives and found a weight for each objective. In each step, we made sure that the consensus was reached. The weights of the projects are given at the end of the objective descriptions above.

After doing internet research and deciding our objectives we got tangible thoughts and data. We gave points to each objective for each project and we multiplied each point by its normalised weights. Then we added these values to be able to choose our project properly. After that point, we obtained a significant difference between the Shadow Fixing Intelligent Canopy project and other projects. So we decided to make the Shadow Fixing Intelligent Canopy.

3. Next Week's Plan

This week, we chose the project according to our objectives. Next week, for the chosen project, we will think about functional requirements, performance requirements at the system level, objectives and constraints. We will also deepen our research to develop a solution approach.