Logbook

Weekly Report

1st Week Report

- Decided on top 3 projects & got the following assigned: Insect Rebugging of the Soil.
- Started to brainstorm on project ideas & target group - much more research on the topic is needed, since we all don't have any

knowledge on the topic yet.

- Created a MS Teams OneNote Structure to share information with each other.

2nd Week Report

- “Scientific” and “commercial” research to further narrow down our topic
- Decision to focus on a smaller scale
- Brainstorming about actual ideas
- Decided on one product and started further specific brainstorming
- More precise research again regarding our “new” topic is needed

3rd Week Report

- working on structural drafts
- blackbox diagram
- first design ideas
- knowledge gaining

4th Week Report

- Projectmgmt: WBS
- rough list of components (without electronic setup)
- updating wiki with projectmgmt tasks, state of the art (commercial, scientific)

5th Week Report

- Focus on marketing and communication
- leaflet & flyer
- logo
- SWOT
- Risk Mgmt

6th Week Report (12.04.2022)

- Worked on different sections in report for deadline
- started survey
- worked on technical component setup
- reviewed design drafts
- several marketing tasks done
- ethological concerns done
- environemental & sustainability review almost finished

7th Week Report (21.04.2022)

- easter holidays
- updates wiki / report
- worked on cardboard model
- updated power table, technical setup
- created & discussed interim presentation

8th Week Report (28.04.2022)

- 3D model
- developed prototype
- list of components & suppliers
- started working on interim report feedback
- mainly worked on chapter 7
- added logo and other marketing related deliverables into the wiki

9/10th Week Report (12.05.2022)

- Queima ;)
- finished breadboard model, circuit diagram
- updated chapter 7
- 3D model video
- ethics presentation
- adding & working on interim feedback

Meetings

1st Meeting (2022-03-10)

Agenda:

1. Presentation: Thoughts about target group, first ideas, general brainstorming.
2. Open Questions: Is there a link to the project proposal?

Minute:

Introduction of project idea, First ideas where to go, Questions.

2nd Meeting (2022-03-17)

Agenda:

1. Research results
2. New idea(s)
3. Brainstorming results

Minute:

To be added by the team.#

3rd Meeting (2022-03-24)

Agenda:

1. Presentation of black box (see Teams)
2. Presentation of structural draft (see Teams)
3. Report Insect Farming (see Teams)

Minute:

Discussion of blackbox model, changes need to be made.

4th Meeting (2022-03-31)

Agenda:

1. List of Components
2. Defenition of our target group
3. Problem statement
4. WBS

Minute:

To be added by the team.

5th Meeting (2022-04-07)

Agenda:

1. Survey

Minute:

Received feedback on survey and report progress / wiki entries

6th Meeting (2022-04-13)

Agenda:

1. Review of technical setup:
    1. Input for power supply desired
    2. Question: Technical Setup is a transistor or relay needed?
        1. Microcontroller specs:
            1. Operating Voltage: 5 V
            2. Input Voltage: 6-20 V
        2. Fan:
            1. 12 V DC
        3. 12 V External Power Supply for MC and Fan (Trafo + cable with switch)
2. Question: can you please provide us cardboard and supplies to work on the model? Thank you!

Minute:

Received input and feedback for power supply / technical setup.

7th Meeting (2022-04-21)

Agenda:

1. Interim Presentation

Minute:

- Presentation of the report and results so far

8th Meeting (2022-04-28)

Agenda:

1. Presentation of list of components and suppliers
2. 3D video model
3. Right citation for links in tables? Add the reference and then cross-reference.

Minute:

To be added by the team.

9th Meeting (2022-05-12)

Agenda:

1. presentation of circuit diagram and breadboard setup
2. the olx option for the prototype is unfortunately not available - please order the hema version. Thank you! :)

Minute:

To be added by the team.

10th Meeting (2022-06-01)

Agenda:

1. Presentation of prototype so far (interface, electronic connections)
2. Sensor input/output?

Minute:

To be added by the team.

11th Meeting (2022-06-09)

Agenda:

1. Overleaf
2. When can we go to the lab to work on the prototype?

Minute:

To be added by the team.

12th Meeting (2022-06-15)

Agenda:

1. What is expected from the commercial video?
2. What is expected for the final presentation? Go over the complete Marketing, Sustainable... part again
3. Do we need to hand in the final presentation on the 18th already?
4. Is it possible to get new mealworms?

Minute:

To be added by the team.

Activities

Please register here all accomplished project activities

Start	End	Task	Description	Who

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