Work plan

Deadlines

- 2020-02-24 Choose a project proposal and send your choice via email to epsatisep@gmail.com
- 2020-03-05 Define the **Project Backlog** (what must be done and key deliverables - every member should preferably participate in every task), **Global Sprint Plan**, **Initial Sprint Plan** (which tasks should be included, who does what) and **Release Gantt Chart** of the project and insert them on the wiki (planning)
- 2020-03-10 Upload the “black box” **System Diagrams** & **Structural Drafts** to the wiki
- 2020-03-27 Upload the detailed **System Schematics, Structural Drawings & 3D Modelation** to the wiki and do the **cardboard scale model** of the structure
- 2020-04-01 Upload the **List of Materials (what & quantity)** to the wiki
- 2020-04-08 Upload the **Interim Report and Presentation** to the wiki. The report must contain the the following chapters: Introduction, Project Management, State of the Art, Marketing Plan, Eco-efficiency Measures for Sustainability, Ethical and Deontological Concerns, Proposed Solution and Bibliography. In particular, the Project Management chapter includes the updated project progress register, the sprint report for completed sprints (tasks that were included, statuses, assignees, allocations) and the updated release Gantt chart
- 2020-04-16 Interim Presentation, Discussion and Peer, Teacher and Supervisor Feedbacks
- 2020-04-23 Upload the **List of Materials (provider, price, quantity, including VAT and transportation)** to the wiki
- 2020-04-30 Upload the **Final video of the 3D Model** to the wiki
- 2020-05-06 Upload **Refined Interim Report (based on Teacher & Supervisor Feedbacks)** to the wiki
- 2020-05-13 Upload **Packaging solution** to the wiki
- 2020-06-02 Upload the results of the **(Prototype or Simulation) Functional Tests** to the wiki
- 2020-06-12 Upload the **Final Report, Presentation, Video, Paper, Poster and Manual** to the wiki
- 2020-06-16 Final Presentation, Individual Discussion and Assessment
- 2020-06-22:
    1. Update the wiki, report, paper with all suggested corrections
    2. Upload to the OneDrive folders shared by epsatisep:
        1. Deliverables (pdf and others)
        2. Code (Arduino code, Tinkercad/CoppeliaSim simulation code, mobile and Web app code)
        3. CAD (drawings and 3D model files)
        4. Videos (3D model simulation and final team video in mp4)
- 2020-06-23:
    1. Play **final video**
    2. Play **music/landscapes** of your country
    3. Receive the **EPS@ISEP certificate**

Project Plan

Define your optimal sprint duration and plan your sprints until project end using Global Sprint Plan

Table 1.

Table 1: Global Sprint Plan

Sprint	Start	Finish
Project	03-20-2020	06-23-2020
First research	02-20-2020	05-03-2020
System schematics and structural drafts	03-06-2020	03-10-2020
System schematics and structural drawings, cardboard scale model	03-11-2020	03-20-2020
List of materials completed	03-21-2020	04-22-2020
Refined interim report	03-26-2020	05-29-2020
Functional tests	04-23-2020	06-12-2020
Upload of the final report, presentation, video	06-03-2020	06-12-2020

Build your project backlog, including all relevant tasks/deliverables, using Project Backlog Table 2. Prioritize all backlog items (PBI), keeping higher priority items at the top, and lower priority at the bottom.

Table 2: Project Backlog

PBI	Title	Status
Z	Drafts and structural drawings	In progress
K	List of materials	In progress
D	Create a name and a logo	In progress
A	State of the art	Almost done
B	Uploading Gantt Chart	In progress
E	Interim Report	To do
F	Design	To do
G	Functional Tests	To do
H	Final report	To do
I	Presentation	To do

Plan each sprint at its beginning (Sprint Planning session) using the Sprint Plan Table 3.

Table 3: Sprint Plan

Sprint	Task	Duration (d)	Responsible	Involved
1	D State of the Art	2		
1	Z Global sprint plan	1		Team
1	Z Project Backlog	1		Team
1	Z Gantt Chart	1		Team
1	Z Global sprint plan	1		Team
1	K Defining a clear idea	4		Team

Review each sprint at its end and update each item status on the Progress Register Table 4.

Table 4: Project Progress Register

Sprint	PBI	Responsible	Involved	Status
1	Z	X and Y	X, Y, Z, W	Done
2	K	Z	X, Y, Z, W	Done
3	D	W, Y and Z	X, Y, Z, W	Done
4	A	Y	X, Y, Z, W	Done
5	B	Z and W	X, Y, Z, W	In progress
6	E	X and W	X, Y, Z, W	In progress
7	C	Y and Z	X, Y, Z, W	In progress

Current version of Gantt Chart. Gantt Chart was mainly made by using known deadlines. Figure 1. shows the construction of the Gantt Chart.

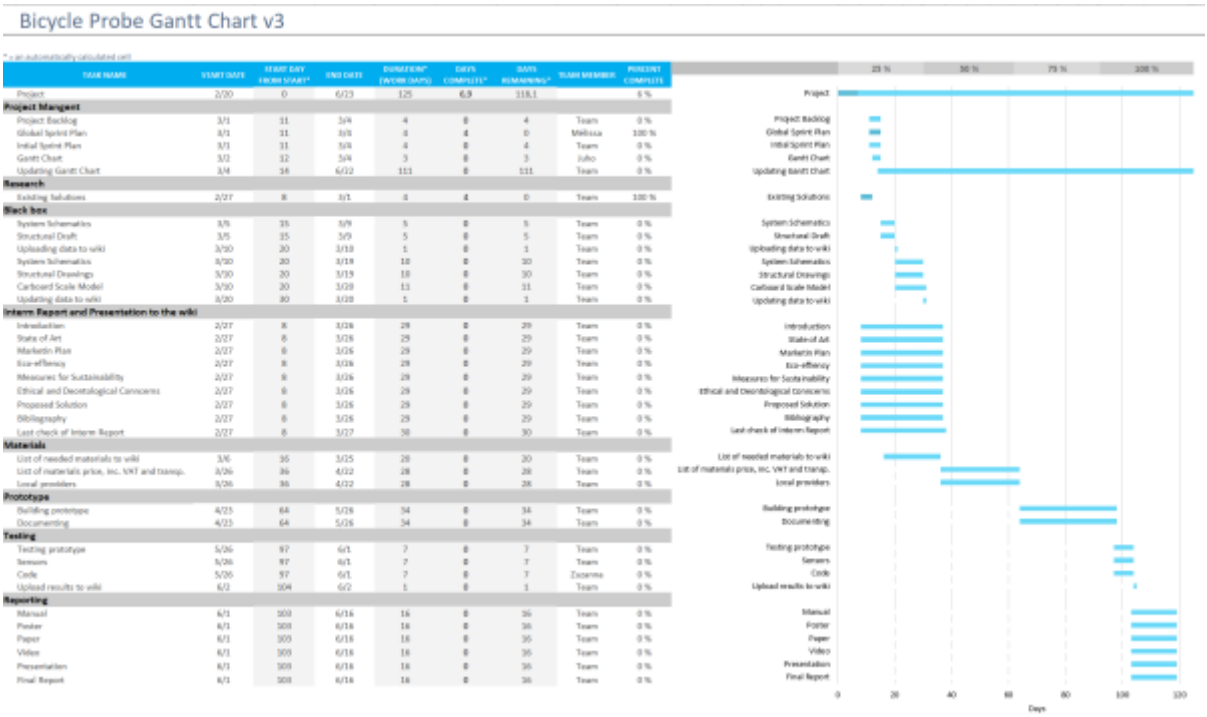


Figure 1: Gantt chart

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