

Work plan

Deadlines

- 2022-03-06 Choose a project proposal and send your choice via email to epsatisep@gmail.com
- 2022-03-16 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)
- 2022-03-23 Upload the “black box” **System Diagrams & Structural Drafts** to the wiki
- 2022-04-06 Upload the **List of Components and Materials (what & quantity)** to the wiki *
- 2022-04-12 Upload the detailed **System Schematics & Structural Drawings** to the wiki and do the **cardboard scale model** of the structure
- 2022-04-14 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
- 2022-04-21 Interim Presentation, Discussion and Peer, Teacher and Supervisor Feedbacks
- 2022-04-27 Upload the final **List of Materials (local providers & price, including VAT and transportation)** and the **3D Model Video** to the wiki
- 2022-05-14 Upload refined Interim Report (based on Teacher & Supervisor Feedback)
- 2022-05-26 Upload **packaging solution** to Deliverables and Report
- 2022-06-07 Upload the results of the **Functional Tests** to the wiki
- 2022-06-18 Upload the **Final Report, Presentation, Video, Paper, Poster and Manual**
- 2022-06-23 Final Presentation, Individual Discussion and Assessment
- 2022-06-28:
 1. Update the wiki, report, paper with all suggested corrections
 2. Place in the files section of the MS Teams channel of your team a **folder with the refined deliverables (source + PDF) together with all code and drawings produced**
 3. Hand in to the EPS coordinator a **printed copy of the refined report and poster**
- 2022-06-30:
 1. Hand in the **prototype and user manual** to the client
 2. Do a **live demo** of the prototype
 3. Receive the **EPS@ISEP certificate**
 4. Bring and share **typical food** from your country

Project Plan

Table 1: Global Sprint Plan

| Sprint | Start | Finish |
|------------------------|------------|------------|
| A - Project Planning | 02.03.2022 | 16.03.2022 |
| B - System Planning | 17.03.2022 | 12.04.2022 |
| C - System Programming | 13.04.2022 | 01.06.2022 |

| Sprint | Start | Finish |
|------------------------|------------|------------|
| D - Interim Reporting | 13.04.2022 | 14.05.2022 |
| E - System Testing | 01.06.2022 | 07.06.2022 |
| F - Final Deliverables | 08.06.2022 | 18.06.2022 |

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 |
|-----|---|-----------|
| 1 | Gantt Chart | Completed |
| 2 | Global Sprint Plan | Completed |
| 3 | Initial Sprint Plan | Completed |
| 4 | Backlog | Completed |
| 5 | System Diagrams & Structural Drafts | To do |
| 6 | List of Materials & Components & Software | To do |
| 7 | System Schematics & Structural Drawings | To do |
| 8 | Cardboard scale model | To do |
| 9 | Smart Screen Frontend | To do |
| 10 | User Frontend | To do |
| 11 | Smart Screen Application Logic | To do |
| 12 | User Application Logic | To do |
| 13 | Database Schema and Models | To do |
| 14 | Interim Report | To do |
| 15 | Interim Presentation | To do |
| 16 | Update Wiki | To do |
| 17 | Final List of materials | To do |
| 18 | Develop Functional Tests | To do |
| 19 | Evaluate and Report Functional Test Results | To do |
| 20 | Flyer | To do |
| 21 | Leaflet | To do |
| 22 | Drawings | To do |
| 23 | Packaging | To do |
| 24 | Simulation Files | To do |
| 25 | Final Report | To do |
| 26 | Final Presentation | To do |
| 28 | Paper | To do |
| 29 | Poster | To do |
| 30 | Code | To do |
| 31 | Manual | To do |
| 32 | Video | To do |
| 33 | Prototype | To do |
| 34 | User Manual | To do |

Table 3: Sprint Plan A

| Sprint | Task | Duration (d) | Responsible | Involved |
|--------|------|--------------|-------------|--------------------|
| A | 1 | 1 | CG, JE | CC, CG, ED, JB, JE |
| A | 2 | 1 | CC | CC, CG, ED, JB, JE |
| A | 3 | 1 | CC | CC, CG, ED, JB, JE |
| A | 4 | 1 | CC | CC, CG, ED, JB, JE |

Table 4: Sprint Plan B

| Sprint | Task | Duration (d) | Responsible | Involved |
|--------|------|--------------|-------------|--------------------|
| B | 5 | 5 | JE | CC, CG, ED, JB, JE |
| B | 6 | 3 | JB | CC, CG, ED, JB, JE |
| B | 7 | 6 | ED | CC, CG, ED, JB, JE |
| B | 8 | 3 | CG | CC, CG, ED, JB, JE |

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

Table 5: 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 |

Gantt chart. See Figure 1.



Figure 1: Release Gantt chart

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