Azuloop

Sponsor

ISEP

Project Brief

Goals:

- Create a smart device that saves cold water from the shower
- Make users feel better about their contribution to the environment
- Learn to work in an interdisciplinary team with people from different cultural backgrounds

The project requirements are:

1. Comply with the following EU Directives:
    1. Electromagnetic Compatibility Directive (EMCD);
    2. Low Voltage Directive (LVD);
    3. Machinery Directive (MD);
    4. Radio Equipment Directive (RED);
    5. Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive (ROHS);
2. Mandatory adoption and use of the International System of Units (The NIST International Guide for the use of the International System of Units)
3. Use open source software and technologies.
4. Use low-cost local hardware solutions.
5. Use sustainable materials and concepts.
6. The device must be automatic, smart and easy to use.
7. The water supply for the shower and toilet must be working when there is a power outage
8. The budget of 100 € for the prototype must not be exceeded.

Participants

Institution: Instituto Superior de Engenharia do Porto

Team N.4:

Students:

- Akseli Järvimäki
- Berta Marcó Giménez
- Darius-Alexandru Ion
- Esmée Keijzer
- Kristoffer Julin

- Luna Hongenaert

Project Coaches:

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- Manuel Silva (mss 'at' isep 'dot' ipp 'dot' pt)
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Client:

- ISEP.

Contents

Milestones Milestones

Logbook: Weekly Report, Meetings, Activities

Report: Report

Deliverables: Links to all deliverables

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Utilities

- DokuWiki Syntax
- Videos on how to use DokuWiki

Acknowledgements

- Sponsor (sponsor)
- Eng.º Vítor Costa Cerqueira, DEE, ISEP (wiki installation and management)
- Prof. João Correia Lopes, DEI, FEUP (wiki template)

— *European Project Semester at ISEP* *2025/02/13 17:42*

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