Course: Project Semester 4 credits: 6

Course code	ELVH17APRS4
Name	Project Semester 4
Study year	2022-2023
ECTS credits	6
Language	English
Coordinator	F. Martins
Modes of delivery	Project-based learning Supervision
Assessments	Project semester 4 - Assignment

Learning outcomes

- Student describes goal, problem statement, context and formal requirements for a project in a controlled industrial environment
- Student translates the specifications of the analysis into functional descriptions in a systematic way
- Student selects and motivates the best functional description for a complex product
- Student demonstrates the feasibility of the design by means of a working proof of concept
- Student justifies choices and reflects critically on these choices during the development of the project
- Student reflects on own actions, thoughts, outcomes and adjusts own actions accordingly
- Student informs the client on the progress of the project on a weekly basis
- Student advises the contractor on how to best implement the outcome of the project
- Student evaluates the degree in which the proof of concept meets the goal and solves the problem statement

Content

For this project, students work in groups. All groups have periodical meetings with their tutor, who is responsible for guiding the group and assessing individual participation of students. The project is divided into tasks. All groups must do all the tasks. Tasks can be theoretical (like report writing) or practical (like implementation or presentation). Each task has its own deadline and deliverables. The final project grade is a combination of the grades for each task, considering individual participation.

Included in programme(s)

Electrical Engineering Major Sensor Technology

School(s)

Institute of Engineering

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