ELT-23056 Embedded Systems and Electronics Productization
Exam 7.5.2019

During this exam you will go through project planning of an imaginary design project. There will be many tasks so you have to work rapidly. It is not important how tidy and professional your documents look, the contents matters.

The idea is to repeat the work done during the spring assignments i.e. to prepare a project plan:

> A company ELT-IX inc. has a problem and hires your team to solve it. The company wants to have a small device that can store messages replacing the notes on the door of a refrigerator.

Your task now is to:

1. refine the idea and write a requirements document

2. prepare a presentation for HNABCS –pitch (hook, need, approach, benefits, competition, summary)

3. based on the user requirements and your approach in the pitch, draft a project implementation plan

   - Divide the product into smaller modules, submodules, components, software components, user interfaces, user instructions, documentation, etc.

   - Assign activities (tasks) to each (sub-sub-)product

   - Collect related activities into work packages

4. estimate person months for each activity

5. draw a GANTT-chart

6. make risk analysis and list the risks and the contingency plans

7. prepare a test plan (actually, explain the procedure as we do not have a specific target to review)

8. finally, think what intellectual property could be worth protecting and draft a claim