

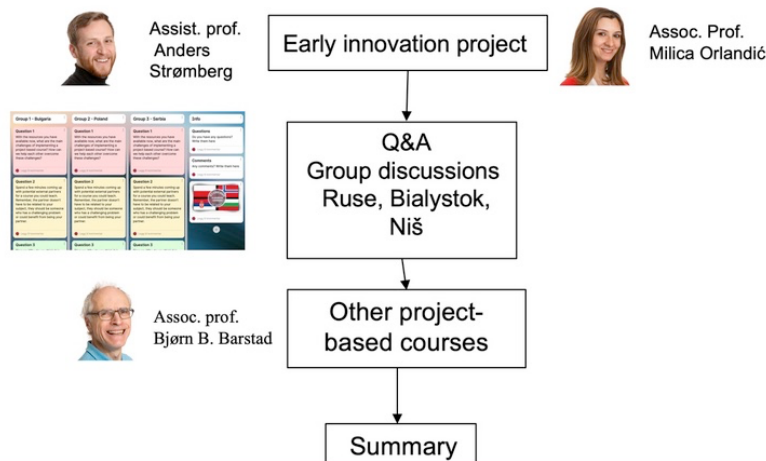


Early innovation project in engineering education

NTNUs 3rd Workshop on Innovative Education, 27.10.2021

The document gives an overview of the workshop content with associated timeline in the video recording. Some useful links are found at the end. The workshop was organized by Department of Electronic Systems at Norwegian University of Science and Technology (NTNU) in the scope of Erasmus+ project Project ICT_EDUPAND nr 2020-1-PL01-KA226-HE-096196.

Workshop overview



Timeline

00:00:00

Workshop overview

00:01:02

Introduction to the innovation project (assist. prof. Anders Strømberg)

- What is the innovation project and when is it performed
- An overview of previous innovation projects
- The concept of a wicked problem
- Creating a structuring framework for the project

00:13:21

System Engineering Framework (assoc. prof. Milica Orlandić)

00:21:00

Innovation project 2021 (assist. prof. Anders Strømberg)

00:30:41

Design Thinking Framework

00:33:21

Practical details

00:40:55

Student Deliverables

00:43:13

Partners in the innovation project

00:46:00

Introduction to group work

Padlet link: <https://padlet.com/paulinehardeberg1/wglf510z0u2c81vp>



- 00:47:26** **Summary of group discussions**
- 00:47:55 Bulgaria (prof. Teodor Ilev)
 - 00:51:52 Poland (prof. Jaroslaw Makal)
 - 00:56:18 Serbia (prof. Goran Djordjević)
- 01:00:45** **Project-based courses throughout the education (assoc. prof. Bjørn B. Barstad)**
- Experts in teamwork (4th year)
 - Student-defined development project (4th year)
 - Specialization project (5th year, 9th semester)
- 01:08:01** **Summary and Q&A**
1. I would like to know how many courses each of you is leading in parallel or how many courses each of you is responsible for?
Answer: Typically, each of us has main responsibility for one course per semester and is helping in realization of 1-2 other courses.
 2. We would like to know if the individual Specialized project is the same as Diploma thesis?
Answer: The specialized project is usually done as a preliminary study for the diploma thesis, but it's not a requirement. The diploma thesis is written during the 10th semester (counting for 100% of the credits for that semester).

Related links

- Course description for the 1st stage of the innovation project
Electronic System Design, Basic Course: www.ntnu.edu/studies/courses/TTT4255
- Course description for the 2nd stage of the innovation project
Electronic System Design, Project: www.ntnu.edu/studies/courses/TTT4270
- Student-defined development project : www.ntnu.edu/studies/courses/TFE4205
- Experts in Teamwork (EiT): www.ntnu.edu/eit