Participatory design based research

*a CoED inspired creative process*

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**Publication date:**
2014

**Document Version**
Early version, also known as pre-print

**Link to publication from Aalborg University**

**Citation for published version (APA):**
Introduction
There is an increased focus on the use of information technology to support learning outside the campus and offering both temporal and spatial flexibility in studying. As a consequence students need to be self-directed and self-organized in their learning and study activities. At the same time there is some challenges:

- Students find it difficult to study at home, due to their established habits within the environment.
- The offered IT resources do not always seem to be able to support student learning process adequately.


Methods
CoED (Collaborative E-Learning Design Method) is used to facilitate e-learning design and consists of three phases with focus on design options, core values and practical designs (Nyvang, T. & Georgsen, M. 2007). The CoED method is combined with the creative platform, which is a tool allowing to boost creativity and innovation in individuals (Byrge & Hansen 2009).

- Students’ choice of one or two core values
- Students’ choice of values and designs in groups and in class
- Students’ creation of a toolkit with a detailed description of the design

Research Question:
How can information and communication technology (ICT) be used to support students' study activities outside Campus?

Participants
- Radiography students at University College of Northern Denmark
- Students at the Education of Social Science at Aalborg University

Use of creative toolboxes

Preliminary findings
Core values
- Motivation and an user friendly learning management system (LMS)

Design activities
- One LMS for all study-activities based on a clear structure, transparency and consistency in subjects, schedules, literature, homework, activities, rooms and mails.
- One login for everything available as an app for computers, mobile phones and tablets.
- Motivation is afforded by structure, clarity, order, uniformity and peers active participation.
- Face-to-face instructions must be recorded and streamed

Challenges
- Internet access

Main references
