The innovation element of the diploma (b.eng.) programs at DTU

In September 2014 the first version of the newly developed CDIO-based diploma (B.Eng) programs were launched at DTU (Nyborg et al., 2015). The programs are the result of a comprehensive merger process of former diploma programs, namely the programs at Engineering College of Copenhagen (now DTU Diploma) and the Technical University of Denmark.

The most significant new activity in the programs is the introduction of a common 10 ECTS compulsory course in innovation in the later part of the programs. The idea behind this course is to give students the opportunity to collaborate on interdisciplinary real-life projects.

This course strengthens not only innovation skills but personal and interpersonal skills as well. In this paper we will discuss the organization of the Innovation Pilot course. In particular we focus on:

- Structure of programmes
- Organization of the Innovation Pilot course
- The didactical considerations
- Scaling up the course from 50 to 500 students

General information
State: Published
Organisations: Department of Applied Mathematics and Computer Science, Software and Process Engineering, Center for Bachelor of Engineering Studies
Contributors: Nyborg, M., Christiansen, N. B.
Pages: 118-128
Publication date: 2016

Host publication information
Title of host publication: Proceedings of the 12th International CDIO Conference
Publisher: CDIO
Article number: 111
Keywords: CDIO-based study programs, Stakeholder involvement, Innovation
Electronic versions:
The_innovation_element_of_the_diploma_final_1.pdf
URLs:
http://www.cdio.org/node/6306
Source: PublicationPreSubmission
Source-ID: 127115168
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016