

Nr 2 eDidaktikum

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Projekt namn: eDidaktikum

Kort summering:

eDidaktikum is a portfolio-based open learning environment

Projekt hemsida: <http://www.edidaktikum.ee>

Slide share: <https://www.youtube.com/watch?v=IYVWrtGsiKI>

Kort sammanfattning om magnitud:

eDidaktikum software was launched in January 2014. The environment has been used for 25 courses by 2 institutions. More than 400 users have joined the system.

Argument för nominering:

eDidaktikum is a portfolio-based open learning environment, which enables one on hand creating groups and conducting courses in the system and on the other hand documenting own personal development. In the groups' section, users can develop and share learning resources and annotate them with the keywords from taxonomy and add tags. Also it is possible to give tasks to the pre-service students, add news and share the events. In the personal space user can store files, associate them with the keywords from taxonomy and competencies from the teachers' qualification standard. In the personal dashboard user has an overview of the tasks (for the future and already accomplished). Each answer of the task is published in the personal weblog. From the created and stored content (blogposts, files, tasks, learning resources and so on) user can prepare different views of the competence-based e-portfolio and to present them for the different audiences in appraisal processes like school practice commission, induction program, accreditation and job application.

eDidaktikum have been developed for five Estonian teacher education institutions. Although the teaching process in eDidaktikum is taking place in a bit in-controlled settings, the system has several distinctions, which are relevant for the open technologies:

- 1) Annotations – Teachers are supported to use tags and keywords for classifying the created content in the system. System has three different taxonomies: a) keywords of national curricula; b) teacher education – keywords of teacher qualification standard and teacher education curricula; c) educational science taxonomy – keywords from the field of educational science;
- 2) Sharing culture – teachers can shape their habit to share the materials first with few people, then with the certain group, after that with all of the users and when ready – with not logged-in users as well. Such approach scaffolds the teachers to publish the materials and share the professional practices;
- 3) Reflection – every user has the personal weblog in the system, which is includes the reflection prompts and helping questions for scaffolding the reflection process of the teachers who are not used to reflect and don't know how to do it;
- 4) Competence-based evaluation – Different types of digital content is linked with the competencies from teacher education curricula which enables to evaluate the pre-service teachers' accomplishment based on the qualification standard;
- 5) Learning analytics – Each user can see the visualizations related with the activities in the course, potential other users and groups, which are relevant for learning, potential materials that are relevant to user and so on.

6) eDidaktikum is built on open source software platform (Drupal) and released as an open source software under ... license (<https://github.com/centre-for-educational-technology/edidaktikum>)

eDidaktikum is the first system in Estonia that systemically tries to integrate and promote collaboration in all five educational institutions that provide teacher education. The criticism towards gap between theory and practice is also addressed here, because in-service teachers from Estonian schools are expected to join with the system for sharing the created learning materials and being members of the school-university partnerships. One of the main distinctions of the system is the competence-based learning. Teacher educators can plan and conduct their learning activities based on the competence that guide teacher profession. In this way it is possible to create competence-profiles of the students, courses, curricula, or even the university. Another innovative approach of the eDidaktikum is the learning analytics application, which is mainly designed for raising the awareness of learners about their learning experience and support teacher educators to get feedback about their courses and learning activities in the course.

The eDidaktikum software could be localized to other languages and the model of using portfolio-based open learning environment in teacher education could be transferred to other countries.

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