DigiEduHack Solution
Aalto Main Event - New tech, models and applications for future learning
Challenge: The future of learning - think like a human

Opet-Us

Enhance learning by teaching, enabled by a Moodle extension

In order to retain most information you learned (online), we provide an extension to the existing e-learning platform Moodle which enables 'learning by teaching' on top of regular teaching methods like lectures and assignments.

Team: Opet-Us

Team members

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Members roles and background

EIT Digital Master school students in Human Computer Interaction and Design, Cloud Infrastructures and Data Science.

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Solution Details

Solution description

In order to retain most information you learned (online), we provide an extension to the existing e-learning platform Moodle which enables 'learning by teaching' on top of regular teaching methods like lectures and assignments.

Solution context

The problem is that in learning we're just scraping the surface. Research shows that only ~5% of knowledge is retained after lecturing, and complementing it with reading, audio-visual materials increases the number to just 20%. Our survey confirms that this problem also occurs in online learning.

That's why we want to reimagine the way learners learn. Up to 90% of information can be retained by practicing peer tutoring.

Solution target group

The target user group is current e-learners.

The target group to implement our solution with and for is firstly Aalto online learning center to pilot, and next expand it to all Moodle based online learning platforms.

Solution impact

The impact of the solution is that students will retain more information about what they learned.

This can be measured by additional tests over time. However, we do not want to put more tests to students. So instead, we will measure the impact by asking the students who are taught by the other students for evaluation.

Solution tweet text

Opet-Us: learn more, learn better, learn by collaborating, learn by teaching

Solution innovativeness

The solution is based on existing knowledge about how humans learn. However, this knowledge has not been implemented yet in e-learning. Nothing like this is on the market, so it is innovative and original.

Solution transferability

This solution can be integrated in all online learning platforms, but can also be applied in blended learning or class-room learning.

Solution sustainability

This solution is sustainable because it is an extension of the widely-used platform Moodle. This platform is used by many institutions, and will most likely even grow in the future. Also, further possibilities to e-learning through various platforms (smartwatches, mobile phones) can be explored.

Solution team work

We are a diverse team, and team spirit is skyrocketing high!