



# PROJECT MODIM

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## **Abstract**

We present information about the project, which will continue through 2015 to support the development of e-learning at the Faculty of Medicine in Pilsen.

**Key words:** Project, MODIM, MEFANET, MOODLE, LMS, ICT

## **Information about the project**

In March and April of 2011 a team of staff of the Department of Computer Applications (OVAVT) Faculty of Medicine in Pilsen, developed the project "Modernization of Teaching Methods Through Promotion of E-Learning - MODIM". The main idea of the project was to ensure sustainable development through the e-learning portal MEFANET and LMS Moodle from 2012 - 2015.

The project was submitted to the Ministry of Education to the OP Education for Competitiveness Support Area 2.2, the call number 28, Priority Tertiary Education, Research and Development. Date of finalization of the project was 11 April 2011. Registration number of the project is CZ.1.07/2.2.00/28.0198. Estimated project cost is 38.2 million CZK. The submitter of the project is Charles University in Prague, Faculty of Medicine in Pilsen, General Manager of the project is MD. Lukáš Bolek, Ph.D.

## **Project goals**

The main aim of the project is to fundamentally improve the quality, modernize and improve the attractiveness of tertiary education for students and academic staff at the Faculty of Medicine in Pilsen. We want to achieve modernization of teaching methods through promotion of e-learning implementations and touch-screen LCD devices with a projection of learning materials in appropriate locations in the Faculty Hospital Pilsen Pilsen. Another goal is to integrate the Faculty Hospital Pilsen with the Academic Federation



eduID.cz, thereby significantly increasing the involvement of academic practitioners, employed part-time at the FH, to the electronic educational process.

The authors will participate in teams of academic staff from the Faculty of Medicine in Pilsen in collaboration with the Department of Teaching and Application of Computer Technology - OVAVT in the creation of electronic study supports. It will offer content, methodically and didactically valuable e-learning support, which will be published on the educational portals MEFANET and Moodle.

Creation of electronic supports is directly related to issues of ICT education. During the project, workers from OVAVT will provide training in ICT for authors of works, as well as academic and other staff of the Faculty of Medicine in Pilsen.

A significant element in the modernization of specific publishing study materials (videos of operation halls, etc.), we see the installation of touch-screen LCD devices, the implementation of the educational portal MEFANET on these devices and their placement in appropriate areas in the Faculty Hospital Pilsen and in the Faculty of Medicine, Charles University in Pilsen.

The project result will be at least 250 new electronic study supports that will be placed on the educational portals MEFANET and Moodle. Another output will be 11 electronic courses focusing on ICT education of academic and other Faculty of Medicine staff. A final result will be the integration of the Faculty Hospital Pilsen and the Federation eduID.cz, which sponsors the identity of academic departments for authorized access to electronic resources on the Internet.

The character of the strategic faculty project is one that significantly affects the method and quality of tertiary education at the Faculty of Medicine in Pilsen

## Key project activities

1) Support the authors that create electronic learning materials and e-learning courses

Increased use of e-learning support in the form of LMS Moodle and MEFANET portal as a way of filling many high-quality electronic educational materials, which will consist of a large group of authors from 25 departments,



clinics, institutes and departments of the Faculty of Medicine in Pilsen. Estimated number of materials developed during the project is about 250.

## 2) ICT training of academic staff and other faculty.

The need for expansion of ICT education goes hand in hand with efforts to create the best possible educational materials. Therefore, throughout the project, training in ICT will be carried out for authors of works, as well as academic and other staff of the Faculty of Medicine.

3) Implementation of shibboleth authentication technology in the Faculty Hospital Pilsen.

Solving the integration of the Hospital to the Academic Federation eduID will allow the involvement of medical practitioners in the e-learning educational process. Applicable in all Faculty Hospitals in the Czech Republic.

## 4) Design, installation and implementation of information kiosks.

Extending the MEFANET portal with new teaching aids in the form of large touch-screens for easy access to educational materials in the Faculty Hospital and Faculty of Medicine locations.

## Conclusion

The project will ensure sustainability of e-learning at the Faculty of Medicine in Pilsen. The project in the years 2012 - 2015 will support about 160 makers of electronic works and their associates, will create around 250 electronic educational materials, other electronic learning courses will be expanded or developed, it will solve the problem of MEFANET authentication in the Hospital staff, and electronic educational kiosks will be installed.

In September 2011 the Ministry of Education reported that the project has been approved for implementation.

## Links

[1] Ministry of Education (2011, October). Available: <http://www.msmt.cz/strukturalni-fondy/vysledky-2-kola-vyzvy-c-28-oblasti-podpory-2-2-vysokoskolske>