

OPEN ACCESS VIRTUAL EDUCATIONAL CENTRE FOR PEOPLE WITH COMMUNICATION DISORDERS

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INTRODUCTION

eHealth has the ability to empower citizens in managing their health and lifestyle and provides them with tools for better health education and response ability to cope with their conditions. Interoperability of health information systems such as electronic health records systems, facilitating the deployment of telemedicine services and patient safety are currently some of the priorities of European Commission and many EU regions and countries in order to support continuity of care, mobility and safety of patients.

For developing countries, delivering even basic health care and education to remote, sparsely populated regions has long seemed an almost insurmountable challenge. Today, thanks to the advent of broadband communication links and advances in compression and image processing technology, telemedicine and tele-education applications are becoming cost-effective solutions.

The new challenge is to promote quality standards for educational programs and tools that require a systematic approach and a means for continuous improvement of those standards. The basis for telemedicine is the technological progress that we are observing in the last decade. Therefore, there is a need for cooperation between doctors and informaticians in the fields of research, education and in offering medical services.

Experts in medical information systems play a major role in determining the requirements for specialized software, whose activity is aimed at designing and implementing such systems.

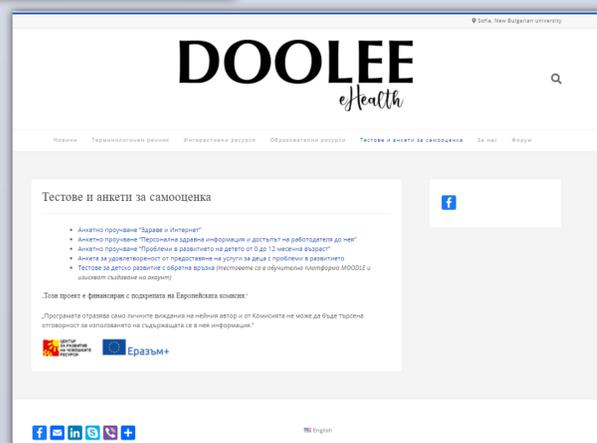
OBJECTIVES

The project main basic concept is to develop a Master's degree program "eHealth" in New Bulgarian University with the expert knowledge, competencies, and experience of project partners. eHealth literacy combines facets of 6 different literacy skills and applies them to eHealth practice, promotion and care: traditional literacy, health literacy, information literacy, scientific literacy, media literacy, and computer literacy. [1]

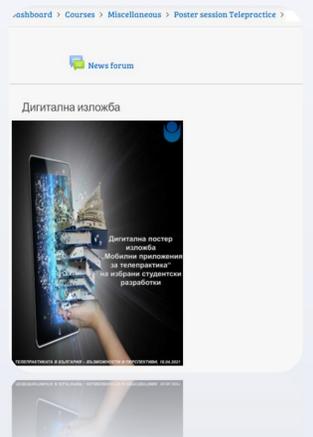
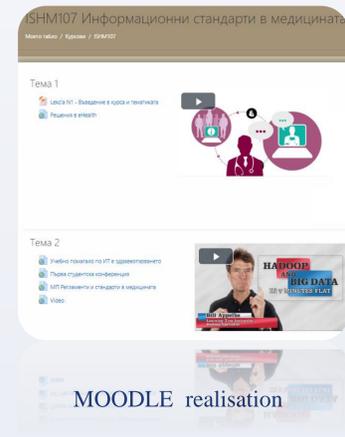
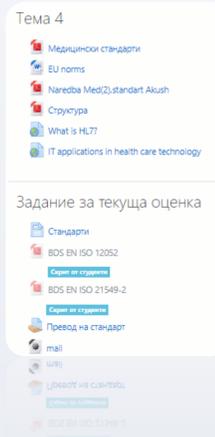
The project partners would perform basis for promoting intercultural and civic competences of students and would participate in development of the following intellectual products:

1. Development an online master's degree program "eHealth" in Bulgarian and English - 28 courses and 6 seminars/workshops/practices
2. Preparation of textbooks on the main topics in the program - health and medicine; telecommunications and Informatics.
3. Introduction of electronic interactive educational tools - a model of self-learning course with test feedback, online quizzes, graphics, animations, specialized vocabulary in Bulgarian
4. Create a virtual center "eHealth" with the following objectives:
 - a. Online practice for learners seeking training for collection, storage and processing of medical and health information on profiles
 - b. preparation of standard scenario for TelePresence seminars, specialized studies, workshops and tele-education through specialized software platforms
 - c. developing a learning environment for patients and insured persons
 - d. drawing up training videos and presentations on various topics
5. Provide real practice by introducing specialized software solutions from the business partner
6. Development of a set of practical exercises to work with Bioinstrumentation Sensor Kit & NI LabVIEW Biomedical Toolkit for reconstruction and visualization of 3D biomedical digital images

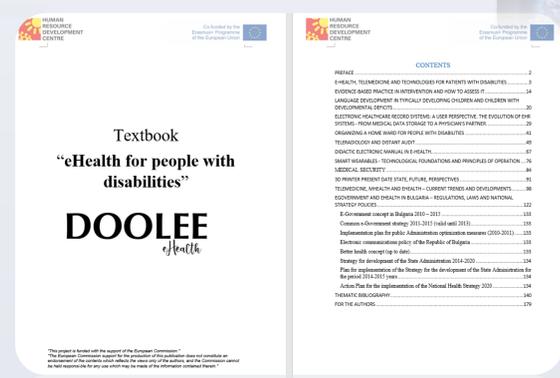
RESULTS



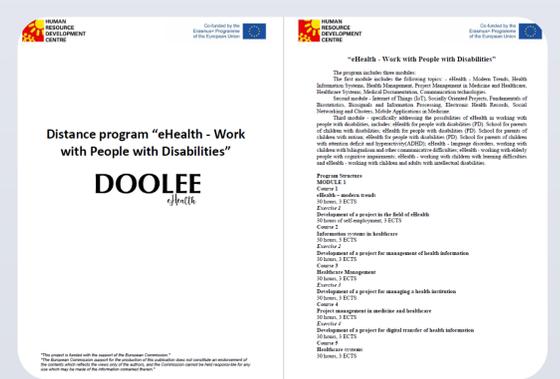
<https://ehealth-edu.eu/>



MOODLE realisation



Textbook "eHealth for people with disabilities"



Distance educational program "eHealth for people for disabilities"

REFERENCES

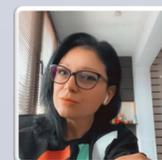
[1] eHealth Literacy: Essential Skills for Consumer Health in a Networked World, Cameron D Norman, Harvey A Skinner, <https://www.jmir.org/2006/2/e9/>

ACKNOWLEDGEMENTS AND CONTACTS

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