







Co-funded by the Erasmus+ Programme of the European Union

DIGIHEALTH Innovative Digital Skills & Teaching Methods 4 Effective Health Education in Lebanon & Syria digihealth.education@gmail.com

Erasmus+ Capacity Building in Higher Education 598243-EPP-1-2018-1- SE-EPPKA2-CBHE-JP Prof. Mohamad Rahal & Dr. Dalal Hammoudi LIU Bekaa Campus, Friday, July 26th, 2019 Agenda

Expected Outcomes & Benefits

DIGIHEALTH Work Packages

DIGIHEALTH Funding and Partners

Why DIGIHEALTH?

What is DIGIHEALTH Project?

What is DIGIHEALTH Project?

• "Promoting excellence, creative and innovative digital teaching and learning approaches, through advanced ICT solutions to improve quality of health education, in order to prepare wellqualified graduates able to adapt to changing healthcare environment, meet societal expectations and sustain healthy environment in Lebanon and Syria".



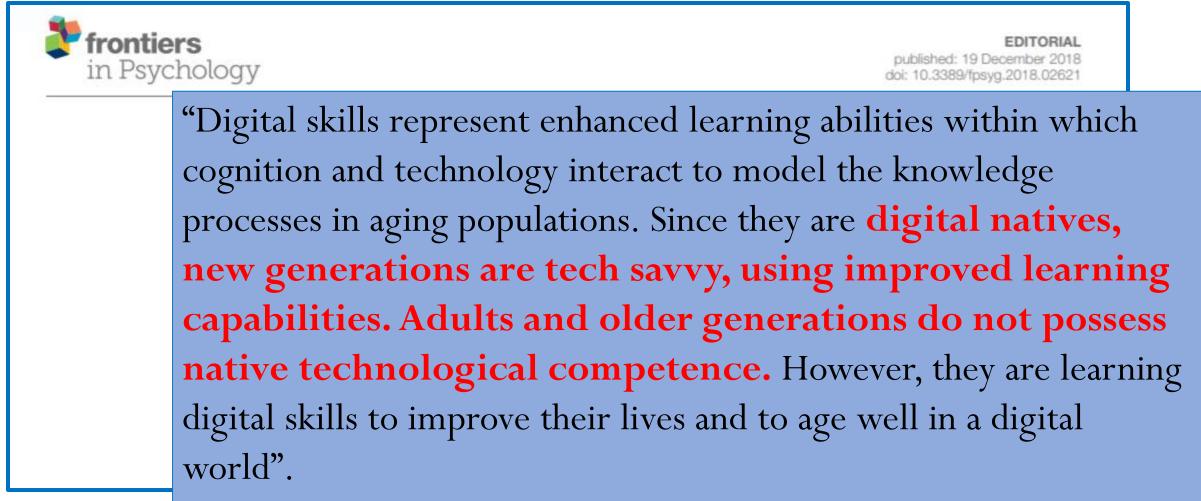
Why DIGIHEALTH?





The Harvard Magazine, September-October 2015

What Does Literature Say About Digital Skills in Higher Education?



Di Giacomo et al, 2018

Koumachi. International Journal of Research in English Education (2019) 4:1 International Journal of Research in English Education (IJREE)

Original Article

Published online: 20 March 2019.

The Digital Turn in Higher Education: A "Digital Natives" Mythbusting

"Media change has unveiled the singularity of **this generation** and has forced academic authorities to reconsider <u>learning</u>, <u>teaching</u> as well as both <u>skills</u> and <u>employability</u> of such a generation for a better academic higher education system".

Koumachi B, 2019

Effective Use of Educational Technology in Medical Education

Colloquium on Educational Technology: Recommendations and Guidelines for Medical Educators

AAMC Institute for Improving Medical Education

Educational technologies are advantageous in providing:

- safe, controlled environments that eliminate risk to patients
- enhanced, realistic visualization
- authentic contexts for learning and assessment
- documentation of learner behavior and outcomes
- instruction tailored to individual or group needs
- learner control of the educational experience
- repetition and deliberate practice
- uncoupling of instruction from place and time
- standardization of instruction and assessment
- perpetual resources and new economies of scale

Association of American Medical Colleges (AAMC), 2007



A new forum comprising pharmacists, pharmaceutical scientists and pharmacy educators with expertise, experience and interests in technology was launched by the International Pharmaceutical Federation (FIP).

A Shift in Educational Strategies

	Establishing New Learning Environments by Incorporating New Strategies	
	Traditional Learning Environments	New Learning Environments
	Teacher-centered instruction	> Student-centered learning
	Single-sense stimulation	Multisensory stimulation
	Single-path progression	> Multipath progression
	Single media	> Multimedia
	Isolated work	Collaborative work
5-1.5	Information delivery	Information exchange
	Passive learning	Active/exploratory/inquiry-based learning
	Factual, knowledge-based learning	Critical thinking and informed decision making
	Reactive response	Proactive/planned action
	Isolated, artificial context	Authentic, real-world context

International Society for Technology in Education (ISTE)

Technology-Enhanced Education

Digital Skills





Clickers



DIGIHEALTH Funding/Partners

EU 2020 strategy "smart, sustainable, inclusive growth"

• Increase the **skills** and **employability of students** and contribute to the competitiveness of EU economy.

Erasmus+

- Implement the **Higher Education Modernizations strategy** in program countries and **raise the capacity** of partner countries.
- Improve quality in teaching & learning.
- Streamline the **international dimension** in Erasmus+.

ERASMUS+ Projects Timeline

Publication of the call for proposals	24 October 2018
Deadline for submission of applications	7 February 2019 (12:00 CET, midday Brussels time)
Evaluation period and consultation the EU Delegations in the Partner Countries	March-June 2019 (3 months)
Information to applicants	By mid-August 2019
Signing of the grant agreement	As of October 2019
Start date of the action	15 November 2019 or 15 January 2020



DIGIHEALTH Consortium (Program Countries from EU)

Linnaeus University (Sweden)

- ✓ Project Coordinator
- ✓ Grant Holder



University of Genoa (Italy) ✓ Project Advisor ✓ Know-How Provider





Mediterranean Universities Union (Italy) ✓ Quality Control Universidad de Santiago de Compostela (Spain)

✓ Know-How Provider





DIGIHEALTH Consortium (Partner Countries - Lebanon)

Lebanese University	 ✓ National Educational Technology Training Centre ✓ Beneficiary
Modern University for Business and Science	 ✓ National Contact Person ✓ Smart Classroom ✓ Beneficiary
Beirut Arab University	✓ Smart Classroom ✓ Beneficiary
Lebanese International University	✓ Smart Classroom ✓ Beneficiary



DIGIHEALTH Consortium (Partner Countries - Syria)

Damascus	 ✓ National Educational Technology Training
University	Centre ✓ Beneficiary
Arab International University	 Project Operational Manager Educational Technology Training Centre Beneficiary
University of	✓ Smart Classroom
Hama	✓ Beneficiary

DIGIHEALTH Work Packages (WP)

- WP1: laying-down foundation of DIGIHEALTH (in process)
- WP2: Capacity building (in process)

Remaining WPs:

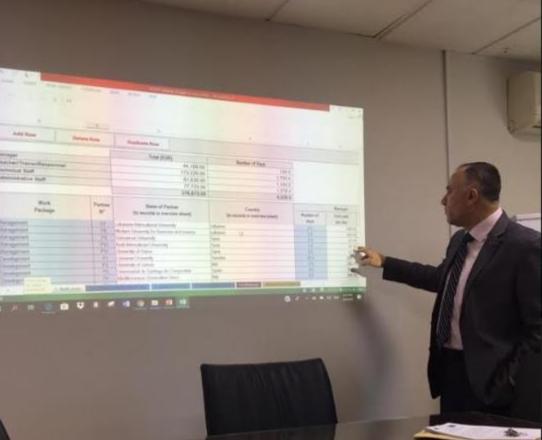
- ✓WP3: Centers set-up at LU and DU
- ✓ WP4: Quality assurance and evaluation
- ✓WP5: Dissemination and Exploitation
- ✓WP6: Management
- ✓WP7: Sustainability

Kick-Off Meeting MUBS, Beirut, Feb 28th-March 1st, 2019





Local Meeting, LIU, Beirut Campus, May 9th, 2019



Universi

MicroSim Inhospital

Placediars is a comparar based self-directed learning system for emergency multicher. The aphreses consum patient sciences based on specific learning objectives for starving in moduli becomendes, problem solving and decision making.

Macodian Interspital is designed for use by all hearthcare professenses, especially for marses, physician selectants, medical recidents and physicians.

Manufaces was developed by working closely with leaders in errorgency medicine and car be used both to initial adjustries as well as controlling education. The system is ideal for an educational programme that she bioches universal patient senders manker and trainmental shifts trainers.

Potential educational benefits

Improve starting effectiveness Standardness starting restanticingy Secularities sciences measurements Standardness summers measurements Discussions applications and improvement

Improve student's latering experience Provides and Barlant prices being proposal Pass-class and Raeforces Caseroon Instruction Debugfing and scoring scriptinges remefations

Multi-level application - Joseph education Construct advectors Construction and reconstructions

Putential economic benefits

Case Management - Conversion and Results pell-drivered horizont inter-- Sciences efficiency of instrument new - Increases efficiences of Automatic tree Reduces regional information costs

Advanced bettern subschape security new stochers: Characteristics to manual training yring term



Easy-to-use powerful user interface Abus many atom to Place that 100 different investigations and commerts Place that 100 different speed of trup Different state direct (both merced and AEDI)

All comments arrests breating and completion sectorization



Realistic patient scenarios Ai de sonreiro sorre solt quotico territo; disectore ito songerey soltato. To scenario ser progetti it endato di Sponente sonte for receve offerenzar deterdentato escaluto placar contest par territo contest regeneratore



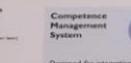
Automated intalligent debriefing

The detending after a treatment of an entry and attration of the international process and attrations engineering of the internation process and attrations of the internation of detence-enabling with. Through this the internation is and/attrational solution international and how to improve performance.



Mighly configurable system

Microbin to been an executed and can be executedly contensioned to be devicedly training results through the configuration stream. The contract durgs are the contract the the selection of investigations, there exists and drags assesses do supported by the larger.



Designed for integration with Lorential CME.



Center of



Country information

Langebild Was Land, LARDIN 47, 2003 Storf, 4941 This Madwaren Theorem, Chaming M, Vicensini, 47, 44 This (eq.), 2 Thinkit Addition, That Free V, Mich 2014 Theorem 2, 2014;47 40025, Tool (eq.), 80, 60, 120 Mich M, Anali, Statistican Conference and Conference and

Land de Temperen Nex Lid. Ster (1 Marces Facilité Cantol al 1 Marces Facilité Cantol Net Aut gradi gradiation set autoritet Net Aut gradiation set autoritet Autorite annuel Quee musicer og Hardware requirements

Surger 4 201 Phys. (MI Web research of the 46 AAAI (10) Phys. Research of the Mittel AAAI (10) Phys. Research of the Mittel AAAI (10) Phys. (MI New York) weekeel Mittel AAAI (10) Phys. Research Mittel AAAI (10) Phys. Resea Software requirements means fusion 17 in tea means 5, 5, 19 means 57 17 Service and 4 in teac

Managers 1988

successive and

University of Genoa Visit

Advanced Biotechnology Center with neuroscience, oncology and cardiology research departments



University of Genoa Visit

Interuniversity Center for Influenza Research



University of Genoa Visit

Center for Production of Video Material and E-Learning



DIGIHEALTH Expected Outcomes and Benefits

• — •• •	
01	National training center
02	Capacity building
03	E-Modules development
04	ICT integration and modern pedagogy

Expected Outcomes and Benefits for SOP





https://forms.gle/j4M6WC4hQGrynbL78

DIGIHEALTH

DIGIHEALTH Questionnaire Teaching Staff Professional Development Needs Assessment

Dear Faculty Member,

You are kindly invited to participate in this online questionnaire, which is needed for our project, entitled "Innovative Digital skills & teaching methods 4 effective health education in Lebanon & Syria/DIGIHEALTH ". This project will help improve the quality of health education at your institution with cooperation of EU-experience, through integrating technological tools consistent with pedagogical best practices for an active learning approach.

The purpose of the questionnaire is to identify your professional development needs in terms of pedagogical approaches and teaching styles, digital competencies needed by health educators, as well as technology-enhanced approaches for teaching/learning.

Three Sections of the Faculty Survey:



Demographic data

Current teaching approaches

> Technology and social media use in E-learning



A Linnæus University



Co-funded by the Erasmus+ Programme of the European Union



Thank you for attention!

Questions and comments please.