


digi4HEALTH

A Digital VET Toolkit for Promoting the 4th Industrial Revolution in the European Health Sector

 Erasmus+ Project No. 2019-1-MT01-KA202-051203



<https://studiozfactory.com/ku-leuven-installs-xjet-carmel-to-explore-medical-3d-printing/>

IN THIS ISSUE :

- Welcome.....Pg 1
- Project's Results
- Progress&Events.....Pg 2
- Technology Corner&Partner's Meetings.....Pg 3
- Meet the Partners..... Pg 4

TOWARDS PROMOTING HEALTH 4.0 SKILLS AND ITS UNDERLYING DIGITAL TECHNOLOGIES

Welcome by Belén Costa (kveloce)

Welcome to the second newsletter of the Erasmus+ Project called 'A digital VET Toolkit for Promoting the 4th Industrial Revolution in the European Health Sector' acronym digi4HEALTH. There is no doubt that the 4th Industrial Revolution is bringing with it new opportunities to the health sector as recently seen during the COVID-19 pandemic. This means that existing health care employees need to be assisted to proactively catch up with these emerging technologies if they are to feel confident, comfortable and skilled in working in a Health4.0 environment. There is thus an urgent need to help both existing and new health care professionals to catch up with Health4.0 technologies.



Project's Results Progress

IO1. An Innovative VET Curriculum on Health4.0 and its Underlying Digital Technologies

IO2. Set of Twelve Health4.0 VET Case- Studies

IO3. Modular 'Health4.0' VET Training Material & Resources

IO4. VET e-Learning Platform on Health4.0 for Healthcare Personnel

The English version of the Curriculum on Health4.0 (O1) is finished and available for public exploitation from the project webpage.

The set of Health4.0 VET Case studies (IO2) are finished and translated into the project languages (English, Greek, Romanian, Lithuanian, Spanish) and Italian. Partners are also adding Virtual Reality and Augmented Reality case study experiences.

Modular training materials (IO3) are also being developed and will then be translated into the indicated languages.



Project's Events

On 7th July 2020, INHWE Director, David Smith, presented the Digi4Health project at the L-ead Summer School run by EIT Health, Semmelweis University (Hungary) and IESE Business School (Spain). The Summer School aimed to generate awareness raising and knowledge sharing about changes of healthcare systems in the digital age. David's presentation, title "Digi4Health Toolkit: what are the main digital competencies?" was well received by over 50 current health professionals and students from cross Europe and beyond.



Why is 3D Printing used in Healthcare?

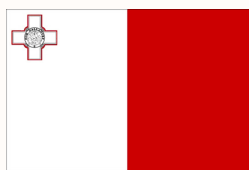
3D Printing (3DP) technology characteristics recommend it especially for uses into areas where prototypes are required – therefore, the healthcare, in which personalization to patient needs is one of the key factors of success, becomes a favorite field for 3DP applications development.

3DP applications in healthcare address different specialties such as orthopedics, podiatry, cardiology, tissue engineering, neurology, craniomaxillofacial surgery, etc. Prints are manufactured as aids for visualization and communication between doctors and patients and within the medical team, as prosthesis and orthoses, patient-specific surgical guides, customized implants, models for training or for surgery rehearsal, tools for diagnosis or medical instruments. A 1:1 tangible replica of a patient bone anatomy, for instance, allows establishing the surgical approach, simulating surgery, choosing implants, screws, or fixation plates.

Virtual Kaunas Meeting

On 24th April 2020 the virtual Kaunas meeting was held via Skype in view of the COVID-19 pandemic that prevented partners from travelling to Lithuania. The main goal was to present and clarify the Project Status, pointing out progress being made and the next steps until the end of year.





www.eumeccb.com



Kaunas Science and
Technology Park

www.kaunomtp.lt



KAINOTOMIA
κέντρο διά βίου μάθησης



www.kainotomia.com.gr



CAMIS
Research, Development and Innovation Excellence

www.upb.ro



International Network for
Health Workforce Education

www.inhwe.org



Kveloce
I+D+i
Tus ideas son nuestros proyectos

www.kveloce.com