

digi4HEALTH

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

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



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HEALTH



IN THIS ISSUE :

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

<https://demigos.com/blog-post/major-healthcare-technology-trends/>

TOWARDS PROMOTING HEALTH 4.0 SKILLS AND ITS UNDERLYING DIGITAL TECHNOLOGIES

Welcome by Laura Dominguez (Kveloce)

Welcome to the fourth newsletter of the Erasmus+ Project called 'A digital VET Toolkit for Promoting the 4th Industrial Revolution in the European Health Sector' acronym digi4HEALTH. During the last year we have witnessed a moment of great acceleration in the adoption of new technologies in all sectors. In the health sector, the pandemic caused by COVID-19 has highlighted the pressing need to implement technological solutions that would respond to the great challenges of the present and the future.

Without a doubt, we are at a time when we must be able to reimagine the future of the healthcare sector through digitization.



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

IO5. An open VET Trainers Toolkit on Health4.0

The English version of the Curriculum on Health4.0 (IO1) 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 have also added virtual reality and augmented reality case study experiences.

The modular training materials (IO3) have already been developed and, like all tools, have been translated into the indicated languages.

The VET e-Learning Platform on Health4.0 for Healthcare Personnel (IO4) is a digital tool designed to allow healthcare personnel to follow the training material developed at IO3 on Health4.0 and its technologies. The LMS platform is already implemented through the web. So far, each partner has done a full review of the content to adapt it to different languages.



Right now the digi4HEALTH partners are finishing the development and profiling of the Health 4.0 Training Framework (IO5: An open VET Trainers Toolkit on Health4.0) and its user manual. It is an interactive pdf poster through which you can learn about the tools developed throughout the project and have direct access to them.

Why use AI in gynecology?

Nowadays, Artificial Intelligence is being applied more and more in the healthcare sector as a result of the digital revolution.

Although best known for its ability to make machines perform tasks associated with the human mind, AI can be applied to improve healthcare by promoting preventive medicine, for example in gynecology.

The iFind Project, developed in the BioMedia laboratory of Imperial College in London, implements artificial intelligence in medicine through deep learning algorithms for the analysis of fetal images. iFind's mission is to achieve the technology necessary to perform routine ultrasound using magnetic technology and radio waves, which provides a more detailed automatic diagnosis and a high level of reliability.

In addition, it has an image capture method that allows evaluating the correct development of the fetus and its environment, providing diagnoses that favor rapid medical action if necessary.

Transnational Project Meeting

On November 26, 2021, the last Transnational Project Meeting was held in Valencia (Spain), the first face-to-face meeting since the COVID-19 pandemic began in 2020. The main objective was to present and clarify the status of the project, indicating the progress and the next steps until the end of the project. The tools developed in each of the intellectual outputs were analyzed and improvements were proposed.





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