

Newsletter #3

2025 April



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MISS4Health Project



Why?

Currently, there is no proper learning schema based on MOOC and micro-credentials for healthcare professionals and students (HPS) in soft skills. Thus, MISS4Health will improve competences in soft skills using a modular Massive Open Online Course (MOOC) based on micro-credentials at EU level that certifies these competences and the pedagogical value of the MOOC. This way, Higher Education Institutions (HEIs) and Vocational Education and Training (VET) institutions will have the opportunity to offer shorter, more flexible, accredited programs.

How?

MISS4Health includes four work packages (WPs) to develop and validate the MOOC based on micro-credentials. These WPs cover curricular design, content creation, micro-credentials establishment and interactive resources, as well as a double loop validation that assures the overall quality of the MOOC. Besides, a joint workshop for staff, 7 multiplier events and a closing workshop are planned. Management, quality, and dissemination and exploitation activities complete the workplan.

Workplan

WP1 Management	WP2 MOOC& Micro-credentials	WP3 Pilot testing	WP4 Dissemination & Sustainability
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Building the Path to Certification

As MISS4Health moves from design to implementation, our mission remains clear: to create **flexible, accessible, and certified** learning opportunities that empower healthcare professionals and students across Europe.

From Vision to Action

Over the past months, the MISS4Health consortium has been working intensively to bring this vision to life.

The five MOOCs – focused on Communication, Teamwork, Decision-Making, Leadership, and Situational Awareness – are taking shape.

Each course strengthens essential soft skills through interactive, evidence-based, and learner-centred digital experiences.

Situational Awareness



Decision making

Leadership



Teamwork

Communication



Creating Quality and Trust

To ensure the highest quality and real-world relevance, the project team has created the **Guidelines for Teachers to Create Digital Content for MOOCs Considering Micro-Credentials**.

These guidelines support educators in:

- Defining clear learning outcomes and assessment methods
- Designing effective teaching and learning plans
- Ensuring alignment with European standards such as EQF and EQAVET

This structured approach ensures that every MISS4Health course not only delivers meaningful learning but also leads to a recognized micro-credential – a passport to lifelong professional growth.

The Guidelines will be available on the project website after the validation phase, to incorporate improvements.

Each MOOC offers a dynamic learning path that combines:



Short educational videos



Interactive activities
and serious games



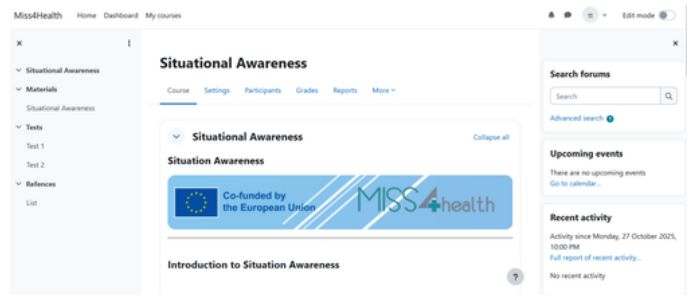
Practical, real-world
scenarios



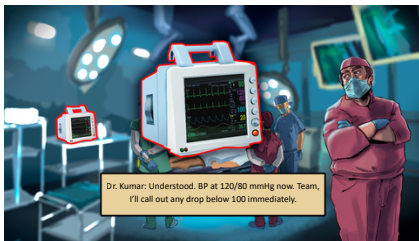
From Design to Action

MOOC Development in Progress

MISS4Health uses Moodle platform. Each module is carefully structured to ensure an effective and engaging learning experience, including a syllabus outlining key information followed by interactive chapters with H5P activities that students can freely explore, take knowledge quizzes with different question types, or access a comprehensive list of references for deeper study.



Moodle's flexible design allows both students and educators to customize and adapt the content, creating a dynamic and user-friendly learning environment that supports MISS4Health's mission to enhance soft skills across healthcare professions.



MISS4Health has reimagined the S4Game experience, evolving the previous 3D model into a visual format with dynamic storylines and expressive characters. Emotions—such as calm, anger, or impatience—are easier to interpret, while realistic healthcare situations allow learners to apply course concepts. Each scenario fosters reflection, empathy, and critical thinking—key to mastering soft skills in healthcare.

In first person...

“Digital learning tools gain importance as education increasingly shifts toward more interactive and student-centered approaches. For instance, integrating H5P activities within Moodle creates opportunities to design learning experiences that are both engaging and pedagogically meaningful. For educators, developing courses with these tools means going beyond static materials to craft dynamic interactions that help learners explore concepts, receive instant feedback, and apply knowledge in authentic contexts. Unlike traditional content delivery, interactive learning requires thoughtful design that ensures clarity, accessibility, and measurable outcomes for students and instructors alike. This shift invites educators to adopt a mindset that embraces experimentation, creativity, and continuous improvement. The adaptability and versatility of Moodle and H5P make them powerful instruments for enhancing digital learning, supporting self-directed study, and fostering deeper academic growth.”

Assoc. Professor Jānis Pekša – Dean of IT Faculty ou Turība University

“As the technical experts on video games in the MISS4Health project, Viral Studios' role was to bring a fresh, interactive perspective to medical training. We received a series of real medical cases designed by healthcare experts—each portraying critical challenges in the operating room, such as miscommunication, lack of coordination, or leadership difficulties under pressure. Our contribution focused on transforming these cases into compelling serious games, using gamification to make learning both engaging and impactful. By integrating mechanisms like progress tracking, feedback systems, point rewards, and narrative framing, we helped convert complex clinical situations into immersive, measurable learning experiences. This approach not only enhanced user motivation and engagement but also ensured that participants could practice soft skills—communication, teamwork, or decision-making—in a safe, simulated environment. As experts in serious game design, our mission was to bridge the gap between technical training and human experience. Through MISS4Health, we have demonstrated how gamification can turn real medical challenges into powerful, accessible learning tools that strengthen collaboration and preparedness in healthcare teams.”

Carlos Rubiales – CEO, Viral Studios

MISS4Health goes out

EDEN 2025

The EDEN 2025 Annual Conference, organized by organized by EDEN Digital Learning Europe (a network of educational institutions, working in the field of digital education for more than 30 years) was held in Bologna on June 15th - 17th 2025. One of the conference subthemes was "Assessment and micro-credentials" in which a poster with project results and linking to the project website was presented there.

As micro-credentials is a topic that lots of institutions focused on digital education are interested on, the poster presentation attracted lots of institutions inquiring about the project results availability when they were publicly available.

As it was not an event for medical training, mainly participants were enquiring about the solutions in project countries regarding issuing and recognizing micro-credentials. VMU project partners were present and answering the questions, as they have experience in this area.



Czech and Slovak Endoscopic Days

The Czech and Slovak Endoscopy Days is one of the major professional meetings in Central Europe, focused on advanced endoscopic techniques, education, and simulation-based learning.

The MISS4Health project team actively participated by presenting a poster on the use of immersive serious games for soft skills training in endoscopy. This activity provided valuable dissemination of project results, feedback from experts, and networking opportunities for future collaboration.

Project Consortium



Coordinator

UNIVERSITY OF HRADEC KRÁLOVÉ (UHK)

Founded in 1959, UHK provides high-quality tertiary education within a large scope of study fields that comprise Social Sciences, Humanities, Educational Studies, Natural Sciences, and Information Technology Studies.

UHK is the MISS4Health Project Coordinator so it undertakes the coordination of the project. UHK has been long-termly and continuously focused on the development and innovation of technology supported educational approaches as well as methodologies and implications of these areas.

CHARLES UNIVERSITY (CUNI)

CUNI is the oldest and biggest university in the Czech Republic. Faculty of Medicine in Hradec Králové was founded in 1945 and is nowadays teaching General Medicine, Dentistry, Nursing and Midwifery.

To MISS4Health, CUNI will contribute with its vast experience with teaching students and lecturing doctors, the application of best practices in teaching Medicine and use of modern teaching methods. CUNI is also the Exploitation Leader.



FUNDACIÓN CENTRO DE CIRUGÍA DE MÍNIMA INVASIÓN JESÚS USÓN (CCMIJU)

CCMIJU is a multidisciplinary institution devoted to research and training in minimally invasive surgical techniques. It is committed to technological development and innovation in healthcare.

In MISS4Health, CCMIJU is the Dissemination Leader and will contribute with its vast experience in training health professionals and surgeons, developing new training materials and learning tools.

VYTAUTAS MAGNUS UNIVERSITY (VMU)

Established in 1922, VMU is a public institution implementing liberal arts study policy based on the Harvard study model. Institute for Study Innovations is a university unit working with different faculties on curriculum redevelopment for online and virtual studies and experimentation of innovations in HE.

VMU will assure the necessary knowledge to establish micro-credentials for the MOOC. Besides, VMU will co-lead WP2 Curriculum design and guide teachers to develop MOOCs and micro-credentials.



VYTAUTAS
MAGNUS
UNIVERSITY
MCMXXII



TURIBA UNIVERSITY (TU)

TU is leading private University in Latvia specializing in Business, Tourism and IT education. The IT Department of TU is running college and bachelor level programmes in IT field.

Within MISS4Health, TU will be involved in the technical development of the MOOC in the LMS in close collaboration with VS.

Project Consortium



V I R A L S T U D I O S (V S)

VS is a young and innovative company specialized in video games, virtual reality, and game learning. VS develops its own products and solutions based on immersive and interactive technologies for education & training, marketing and the entertainment industry.

VS will be responsible for the integration of the SG4Game contents in the MOOC, assuring a bilateral communication between both systems.

U N I V E R S I T Y O F R I J E K A (U N I R I)

Founded in 1973, UNIRI has matured into a modern European university and center of excellence. It is a research, science, and education-oriented university that supports social and economic development in its community. UNIRI has a 15 year long tradition of using digital tools in HE learning and teaching, and it will participate in the MOOC design and content creation, as well as in the pilot testing amongst healthcare professionals and students.

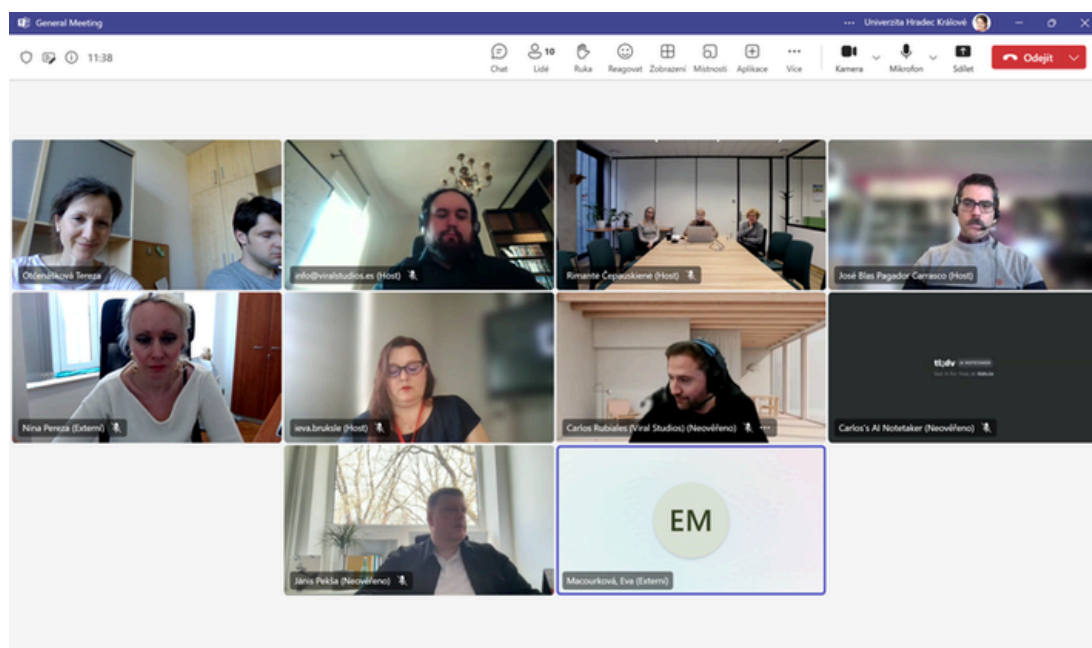
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Online general meeting

In April 16th, 2025, the MISS4Health consortium held a virtual meeting to follow-up the state of the project. Recently, an interim report was submitted, and the partners are waiting for the evaluation of the National Agency of the Czech Republic. Additionally, advances in the development of the MOOC contents were presented, together with specific requirements of each country legislation to certificate micro-credentials.

The project partners were highly motivated to complete the theoretical contents and continue with the integration of the interactive material in the Moodle platform. The next in-person meeting to be held in Cáceres (Spain) is being planned and possible dates being proposed to carry out a two-day session after the summer break.



Contact information

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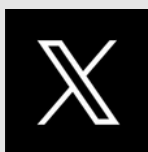
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