FUTURENG

SHAPING THE ENGINEERS OF TOMORROW

PN: 2023-1-RO01-KA220-HED-000155387

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NEWSLETTER #3

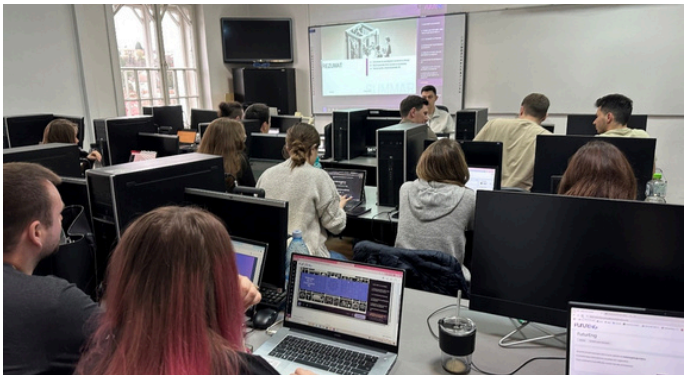
AUGUST, 2025

SUCCESSFUL PILOT TESTING WITH OVER 100 STUDENTS

We're thrilled to announce that between March and May 2025, two key FuturENG results — the Tech Essentials MOOC and the Challenge-Based Learning Toolbox — were successfully pilot tested with over 100 higher education students from STEM fields across three countries:

- 34 students from the University of Medicine, Pharmacy, Science and Technology "G.E. Palade" of Târgu Mureș (Romania)
- 43 students from Kaunas University of Technology (Lithuania)
- 37 students from FH Joanneum University of Applied Sciences (Austria)

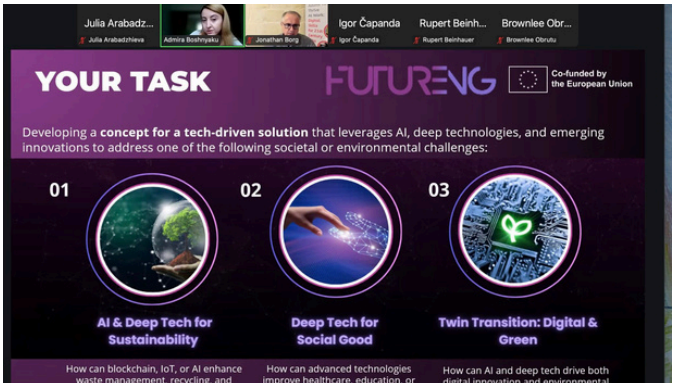
🗣️ **Feedback from participants** was overwhelmingly positive — many shared that the materials offered a completely different and engaging way of learning and introduced them to important topics they "wouldn't have explored otherwise."





OUR NEWS

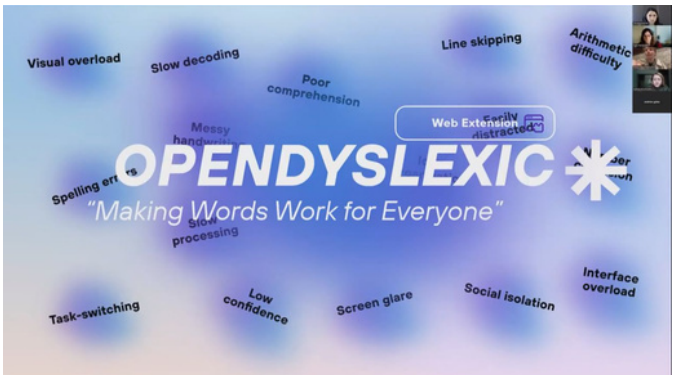
THE FuturENG HACKATHON: INNOVATION IN ACTION!



In April 2025, the FuturENG Hackathon brought together 19 teams and 50+ students from Romania, Lithuania, and Austria to tackle real-world challenges in AI, deep tech, and the twin transition.

Over two days, students explored themes like:

AI & Deep Tech for Sustainability
Deep Tech for Social Good
Twin Transition



The results? Brilliant ideas and powerful pitches!

🏆 Our winning teams impressed the jury with:

- A VR crash simulation to prevent drunk driving (KTU);
- An AI solution for global health data integration (UMFST);
- A web extension supporting students with dyslexia (FH Joanneum).

Oeiras Meeting Sparks Next Chapter for FuturENG



On July 10th, the FuturENG consortium came together at ISQ in Oeiras, Portugal for a productive transnational meeting filled with collaboration and forward planning.

A key moment was the interactive workshop with the Hackathon-winning students from UMFST, KTU, and FH Joanneum, where partners gathered valuable insights into the needs and expectations of today's STEM learners.

The meeting also marked the launch of the upcoming Training Guide & Roadmap for HE educators, and covered essential topics like quality assurance, sustainability, and dissemination for the project's next phase.

WHERE THEORY MEETS PRACTICE...



FuturENG LTTA Highlights

From July 7–11, 2025, the FuturENG Learning, Teaching and Training Activities (LTTA) were hosted by ISQ in Oeiras, Portugal, welcoming the Hackathon-winning students from the University of Medicine, Pharmacy, Science and Technology "G.E. Palade" of Târgu Mureș, Kaunas University of Technology, and FH JOANNEUM – International Management.

Over five dynamic days, students engaged in a practice-based training experience, designed to boost their technical, creative, and transversal skills through hands-on learning and collaboration.

A Week of Innovation and Learning

- Day 1: Welcome, ice-breakers, and team-building set the tone for the week.
- Days 2 & 3: Hands-on sessions in ISQ's high-tech labs, including Metrology, Electricity, NDT, and Additive Manufacturing.
- Day 4: Students joined a joint session with partners to provide feedback for the upcoming Training Guide, followed by a social dinner.
- Day 5: The week wrapped up with reflection, evaluation, and an award ceremony. 🏆



💡 From Design Thinking workshops to lab visits and interactive challenges, students gained practical insights and strengthened key 21st-century skills.

Co-funded by the European Union

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