

HEGenAi Project

Generative AI for Assessment and Feedback in Higher Education



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

Artificial Intelligence is revolutionizing the field of education, reshaping the way students learn and how educators assess. Through personalized teaching, the generation of immediate feedback, and the automation of administrative processes, A.I. significantly increases academic efficiency and prepares the new generation for the challenges of the digital future.

The aim of the project: This project aims to improve the motivation, immediacy, interactive discussion, and ideation, and actionability of assessment and feedback in the courses of multidisciplinary science, technology, engineering, and medicine (STEM) higher education programs by integrating GenAI tools. The core idea and activities of this proposed project are presented for the first time in Erasmus+ as all previous GenAI projects were not designed and implemented in assessment and feedback. The project brings together a consortium of European, Western Balkan, and South Mediterranean universities and industry partners.

This project is projected to last 3 years, with a total budget of 400,000.00 Euros.

Project number: Erasmus+ KA2 Project (KA220)
Project start date: Shtator 2025
Project completion date: Gusht 2028

Specific objectives:

- to synthesize empirical research and institutional insights, define GenAI-based pedagogical redesign scope, and identify policy-compliant GenAI tools for assessment and feedback activities in HE.
- to design, develop, pilot, and evaluate training modules for university pedagogy programs for educators to build capacity on GenAI-based assessment and feedback.
- to develop and apply instruments to measure the impact of training modules for educators.

General objectives: The general objective is the integration of Generative Artificial Intelligence (GenAI) tools to improve motivation, immediacy, interactive discussion, ideation, and actionability of assessment and feedback within multidisciplinary STEM programs in higher education.

Expected results of the project:

HEGenAI will deliver (1) peer-reviewed review and empirical papers GenAI tool implementation, good practices, and pitfalls in scenarios of assessment and feedback activities of higher education courses, (2) intervention experience based on two iterations of pilot integration of GenAI tools and evaluation of usability, perceived usefulness, and impact on learning, (3) training modules for educators and students, (4) instruments for training impact assessment and results of evaluation of training.

Project Coordinator:

Technical University of Denmark DTU

Partnerët e Projektit:

- Chalmers Technical University CTH
- Brandenburg Technical University Cottbus-Senftenberg (BTU)
- An-Najah National University ANNU
- Palestine Technical University Kadoorie PTUK
- Mediterreanean University of Albania UMSH
- University of Elbasan “Aleksandër Xhuvani” (UNIEL)

HEGenAI is a project funded by ERASMUS+ Capacity Building program of the European Union.

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