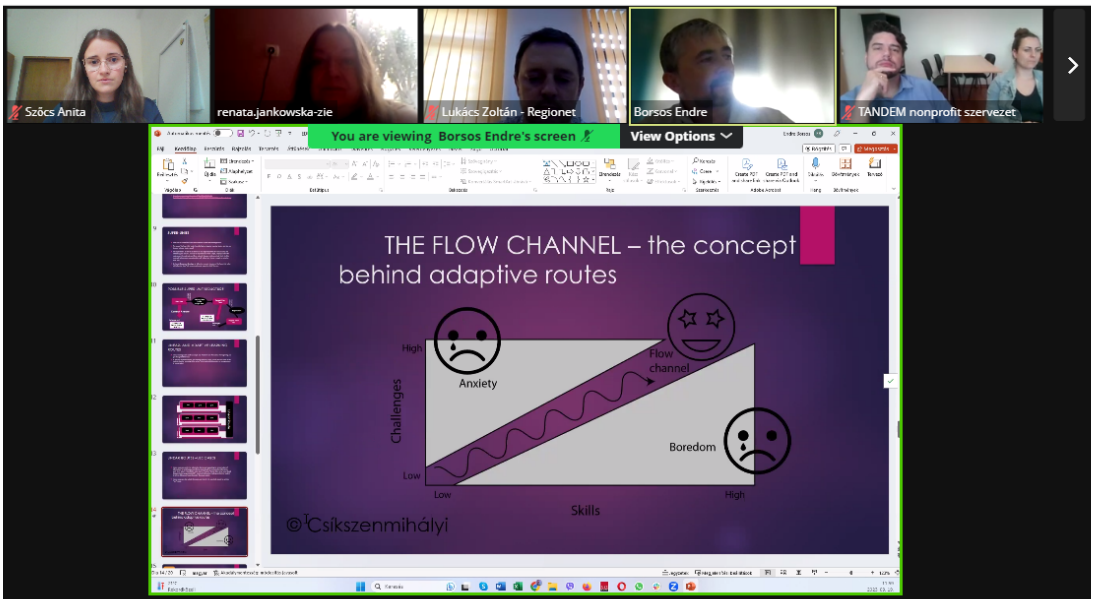
Equal opportunity through artificial intelligence for the math exam



How does artificial intelligence assist in adaptive education? Within the framework of the ERASMUS+ strategic partnership project called EduBot, partners from Romania, Hungary, Slovakia, and Poland are developing educational materials integrated with AI assistants to help students prepare for post-eighth-grade exams, primarily in mathematics.

On September 19th, the project partners held their third partner meeting, focusing on digital content development. As part of this, adaptive learning materials supporting preparation for the mathematics exams that often determine both completion of middle school and admission to high school are being created in all four countries. The initial versions of the materials have been completed in Hungary and Poland, with Romania and Slovakia expected to follow in early next year. The final educational content is set to be ready by June 2024, and it will be accessible to everyone, ensuring equal opportunities for students who cannot afford private tutoring for exam preparation.

The development of the content was preceded by meetings with educators in each country, and the materials were shaped based on their input. The blended learning methodology, set to be completed by the summer of 2024, and the e-learning system under development will also be applicable in other subject areas. This will allow every educator to

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.

easily create their own materials, which students can then access on a computer, tablet, or smartphone.

The project's aim is to develop a blended learning process that combines digital and in-person educational elements, suitable for effectively identifying and addressing competency gaps using chatbot technology supported by artificial intelligence. This solution promotes personalized, adaptive learning, saves time, and is groundbreaking. It assists in differentiation and is particularly suitable for educational situations such as exam preparation and tutoring.

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.