



AI Chatbot – EDUBOT Assistant

The EDUBOT Assistant is an AI-powered chatbot that provides comprehensive support to both students and teachers within the project. The functions of the Assistant include sending real-time notifications to app users, thus facilitating continuous communication and information flow. Moreover, the Assistant plays an active role in managing the learning process, as it can suggest personalized learning paths, taking into account students' performance and progress. The AI-driven EDUBOT Assistant allows teachers to receive analyses of students' results and to group them based on their performance, aiding teachers in implementing differentiated education.

AI-driven adaptive learning paths

The AI Assistant designs individual learning paths, enabling students to follow adaptive learning paths tailored to their abilities and current knowledge. The AI Assistant guides students through the learning process, selects appropriate tasks from the task system, and provides

assistance if needed in the form of the most effective supporting tasks and explanations.

Blended learning with AI support

In line with the blended learning methodology, homogeneous groups formed based on the results achieved on the e-learning platform receive additional teacher tutoring during online consultations. The AI Assistant performs cluster analysis based on the achieved results to form performance-based clusters. Students with similar knowledge levels, skill sets, and difficulties are grouped together.

Chat integration



The AI Assistant sends notifications to users regarding events that affect them, such as group invitations, mandatory tasks, completion of cluster analysis.

Pilot Education

The EDUBOT project pilot programme has been launched in four European countries with 20 teachers and hundreds of children. Indicators so far show that the use of artificial intelligence to support students'

learning is leading to visible improvements in student performance.

PL +18,04%
HU +27,7%



In each country, students are taught in several groups, which are periodically reconfigured with the help of AI according to the individual progress of the students. The pilot classes are mostly in mathematics, except in Slovakia, where computer science is taught as part of the EDUBOT project.



Closing conference of the EDUBOT project

The closing conference of the EDUBOT project will take place on 7th October 2024, at 3:00 PM at the Harghita County Council Hall in Miercurea Ciuc. The aim of the conference is to present the results

achieved, the development processes, and the future perspectives of applying artificial intelligence in education. Educational professionals, teachers, and anyone interested in how EDUBOT can shape the future of education are warmly invited to attend. [Registration here.](#)

The solutions and software developed during the project will be made available free of charge, demonstrating the project's ongoing commitment to the widespread dissemination of educational innovations.

The role of the EDUBOT Assistant is to contribute to students' development through modern educational tools and to support teachers in creating a more efficient and effective educational process.

EDUBOT – Developing Key Competences Through Blended-Learning Methodology Based On AI-Supported Chatbot Technology

2022-1-HU01-KA220-SCH-000088299



**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.