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THE USE OF ARTIFICIAL INTELLIGENCE IN EDUCATION

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Artificial intelligence (AI) has become one of the most influential technologies shaping modern education. The rapid development of digital technologies and machine learning systems has created new opportunities for

improving the learning process, increasing accessibility to knowledge, and personalizing educational experiences. Today, AI is widely used in education for automated assessment, adaptive learning platforms, academic research assistance, and intelligent tutoring systems.

One of the key advantages of artificial intelligence in education is its ability to analyze large amounts of data and adapt learning materials to individual student needs. AI-based tools can monitor students progress, identify learning difficulties, and provide recommendations for further study. As a result, students can receive more personalized learning support, while teachers are able to better understand the academic performance of their learners.

At the same time, the integration of artificial intelligence into education raises several important questions related to academic integrity and the responsible use of digital technologies. It is important that AI tools support the learning process rather than replace independent thinking. Therefore, educational institutions must develop clear guidelines for the use of such technologies and encourage students to use them as a supportive instrument rather than as a substitute for their own knowledge and skills.

Another important aspect is the balance between innovative technologies and traditional educational approaches. While artificial intelligence can significantly improve access to information and simplify many educational processes, it is essential to preserve the fundamental principles of education, including critical thinking, analytical skills, and independent problem-solving.

Artificial intelligence is also becoming a common tool in students everyday academic activities. Many students use AI technologies to search for information, summarize educational materials, generate ideas, or receive explanations of complex topics. These tools allow learners to work with information more efficiently and save time when performing certain routine tasks.

In order to better understand how artificial intelligence is used by students in the learning process, a survey was conducted among group of students. The aim of the survey was to determine whether students use AI tools during their studies and to identify the most common ways in which these technologies are applied. The results of this survey are presented in Figure 1.

The obtained results demonstrate that artificial intelligence has become an integral part of the modern learning process for the majority of students. Only a small fraction of respondents (17.4%) do not use AI tools at all, indicating a high level of technology adoption among learners. The data suggest that students primarily turn to AI for tasks related to text generation and processing, which remains the dominant use case. The variety of other applications – from problem-solving to content creation shows that AI is no longer just a novelty but a versatile tool that adapts to different academic challenges. The distribution of responses also reflects a growing trend: students are increasingly relying on AI not only for

auxiliary tasks but also for core learning activities, which may indicate a fundamental shift in how education is approached in the digital age.

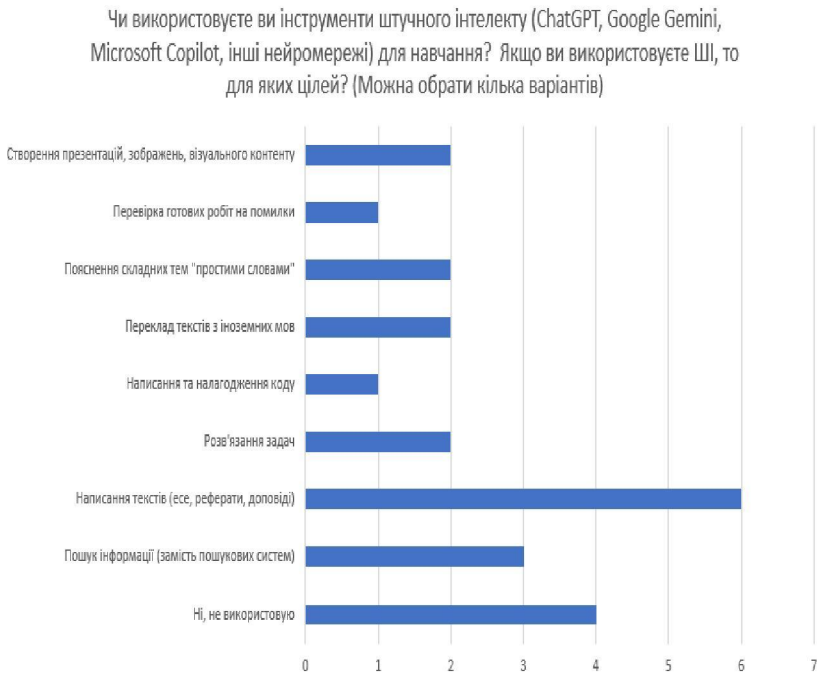


Figure 1 – Results of a student survey on the use of artificial intelligence in the learning process.

In conclusion, artificial intelligence has significant potential to transform modern education by improving learning efficiency, supporting teachers, and providing personalized educational experiences. However, the successful integration of AI requires careful consideration of ethical, pedagogical, and technological aspects in order to ensure that these tools contribute to the development of students and the overall quality of education.

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