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THE EDUCATIONAL POTENTIAL OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES IN DEVELOPING SCHOOLCHILDREN’S INDEPENDENT LEARNING SKILLS

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The modern education system continually evolves due to advances in information technology and increasing demands for better student knowledge. In this context, developing independent learning skills in students is especially crucial, as these skills help them grow and adapt in a fast-changing world. One powerful tool that can support this development is artificial intelligence technology.

Artificial intelligence (hereinafter called AI) is gradually becoming a key element in modernizing education systems. Its use opens up extensive possibilities for personalizing learning, analyzing educational processes, automating routine tasks, expanding access to knowledge, and creating a flexible educational environment. In

Ukraine, especially amid the recovery from a full-scale war, AI's role becomes even more critical: it can help reduce educational inequality, ensure learning continuity, and elevate the quality of education to a new level.

According to Goldin and Katz, education must keep up with technological progress, and the Minister of Digital Transformation of Ukraine mentioned in one of his speeches that in the race for human capital, the country that develops the fastest and most adaptable system will succeed [1].

In conditions of martial law, where access to education is often difficult and children are forced to relocate due to shelling and military action, digital education, and with it the use of artificial intelligence technologies, becomes particularly important and necessary.

According to the results of the PISA study, which included a survey of education administrators, it was found that Ukraine has a significant shortage of teaching staff and insufficient or low qualifications [2]. This is because the teacher training and professional development system does not fully meet modern educational requirements, the number of specialists is decreasing, and the prestige of the teaching profession is declining.

Additional factors include low salaries, overloaded curricula, and a lack of adequate incentives for professional development. The situation is significantly affected by martial law and the spread of distance learning, which greatly distorts the educational process. In this case, AI can act as a virtual tutor, available at any time. Chatbots and voice assistants can quickly answer students' questions, explain complex topics, and help with schoolwork.

Although AI is advancing quickly, it is still not fully understood, especially regarding its impact on education and the modernization of Ukrainian schools after the war. However, AI not only creates new opportunities for education but also greatly influences our daily lives, shifts habits, and helps unlock human potential.

AI technologies help manage educational institutions by automating routine processes – from student registration and assignment checking to grading and scheduling. For example, automatic text analysis systems can significantly reduce the time needed to check written assignments. So, AI is a tool in human hands, without which it loses all meaning and practical value.

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