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PEDAGOGY AND PSYCHOLOGY

**CURRENT TRENDS IN THE DEVELOPMENT OF
DISTANCE LEARNING**

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Distance learning in the modern world is undergoing significant changes, driven by both technological progress and changing educational requirements. One of the main trends is the active implementation of information and communication technologies (ICT), which contribute to the globalization of learning and provide students with access to high-quality educational resources regardless of their location. In particular, modern online platforms such as Moodle, Google Classroom, Microsoft Teams and Zoom are becoming the main tools for conducting both theoretical and practical classes in distance learning. At the same time, adaptive learning systems that provide personalized learning and take into account the individual characteristics of students are becoming relevant [1].

One of the current trends is the introduction of adaptive learning systems that use artificial intelligence algorithms to personalize the learning process. Adaptive learning systems can automatically determine the level of knowledge of students, their weaknesses and offer individual materials to improve learning outcomes. This allows you to work more effectively with different categories of students, taking into account their individual needs and learning pace [6].

Another important trend is the active use of microlearning - short modular courses that allow students to learn material in small portions, which is especially effective in a distance learning format. Microlearning allows students to learn material quickly and efficiently, which is especially important in the context of distance learning, where students' attention can be scattered due to the lack of physical presence in classes [5].

In addition, augmented reality (AR) and virtual reality (VR) technologies are increasingly being used in distance learning, which allow creating opportunities for practical learning in virtual laboratories, where students can perform experiments, simulate production processes or work with technical devices in an interactive environment. They are extremely useful in engineering, pedagogical and technological training, as they allow you to bring learning as close as possible to real conditions without the need for physical presence on site [4].

The integration of mobile technologies into distance learning is also important, allowing students to access learning materials from anywhere in the world. Mobile platforms and learning applications allow for teaching and learning at a convenient time, providing students with the necessary tools for effective learning. This is especially important for students who have limited access to stationary computers or for those who wish to study in a mobile format [2-3].

Thus, current trends in the development of distance learning include the use of adaptive technologies, microlearning, AR/VR integration, as well as digital platforms that ensure an effective educational process in higher education institutions.

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