UDK: И 37.02

CONTEMPORARY TECHNOLOGIES USE AND THEIR FUNCTION IN PEDAGOGICAL SPHERE

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Abstract

Contemporary technologies have become integral to the pedagogical sphere, revolutionizing traditional teaching methods and enhancing the learning experience. This abstract delves into the role and impact of modern technologies in education. It explores how tools such as educational apps, virtual reality, and artificial intelligence are reshaping the pedagogical landscape, facilitating personalized learning, and fostering student engagement. Additionally, the abstract addresses the challenges and opportunities presented by the integration of these technologies, including concerns about equitable access and effective implementation strategies. By examining the multifaceted functions of contemporary technologies in education, this abstract offers valuable insights into the evolving relationship between technology and pedagogy.

Keywords: educational establishments, modern technology, controversial alterations, distance education,

Presently, the utilization of state-of-the-art technologies becoming widespread in diverse walks of life and education is not exception. The paper further discuss the role of contemporary technologies in educational sphere as well as the influence of this practice on conventional ways of teaching.

In many educational establishments there are following objectives at current days:

1) the desire to technologize the educational process is an objective trend of the modern stage;[1]

2) pedagogical technology is designed to optimize educational work and is aimed at obtaining maximum educational results. Her task is to minimize pedagogical impromptu, to achieve a guaranteed and reproducible result;[2]

3) the characteristic features of pedagogical technology are: the presence of a diagnostic system that ensures the achievement of set goals; reproducibility of the

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[1] Гобарева Я. Л. Применение новых информационных технологий в образовании / Гобарева Я. Л., Кочанова Е. Р., Торопова Н. В. // Информационные технологии в финансово-экономической сфере: прошлое, настоящее, будущее Международная научная конференция. — 2013. — С. 219–224.

[2] Воробьёва В. В. Влияние использования информационно-коммуникационных технологий в современном образовании на процесс перехода к информационному обществу / В. В. Воробьёва // Информация и образование: границы коммуникаций. — 2013. — № 5 (13). С. 62–65.

pedagogical process (the presence of a clear and logically justified system of prescriptions for stages, learning goals; characteristics of ways of interaction and activities of participants in the educational process at each step); guarantee of pedagogical results; the presence of a motivational component that provides the developing capabilities of technology; the possibility of replication and transfer to new conditions.[3]

The practice of using devices in 21 century is not unusual phenomenon: in educational establishments students resort to them not only in computer lessons, but in other exact and social sciences as well. The use of gadgets fairly alleviated the process of acquiring the necessary information. As a proof, students used to attend libraries and expend their time in search of valuable and essential material or particular data for their course-works or academic researches. Fortunately, in current days, the apprentices have online access to informative and compulsory literature and they can appeal for such resources at their convenient time. Moreover, the paper use is considerably shrinked owing to switching to modern applications. In this case it can be seen as positive change because demand for paper-based documents is no longer drastic compared to previous centuries. Hence the less requirement for paper may potentially guarantee less deforestation practice.

It is universally acknowledged that the cutting-edge technologies use became springboard to many controversial alterations in pedagogical sphere including both conducive and undesirable ones. One problem that arose with the advent of technologies is adaptation of teachers to them. For example, even the most qualified teachers with good experience who used to conduct the lessons in traditional way, find it hard to accustom to it. Notwithstanding, resorting to technologies introduced the innovative, interactive methods of delivering the lessons, evoking the interests of learners. For instance, the game-based platforms with colorful visuals such as Kahoot, Quizzes, Quizlet are helping to draw attention of students in learning process. Additionally, the opportunity to get education regardless a distance is now possible. To be more precise, during COVID-19 lockdown, when all the educational institutions were not functioning, the technologies became a bridge between teacher and students. Technologies provided people with a chance to get e-learning at this critical periods. The ramifications that stem from the applying devices in educational settings is rather likable. In the spring of 2020, the education system around the world went through a tremendous shake-up. Along with the system, parents whose children switched to distance learning also experienced stress. According to research, 84% of teachers, 73% of children and 68% of parents experienced stress from online learning during quarantine. Since neither schools nor universities were ready for it, the transition took place in an emergency mode, and the quality of education in most cases left much to

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[3] https://www.cambridge.org/elt/blog/2022/03/16/teaching-and-learning...

be desired[4].

But there were also advantages: circumstances forced professors from the most prestigious universities in the world, outstanding teachers and all teachers of the planet to invest their creative and professional potential in online education. The scientific community has never spent so much effort to come up with effective distance learning models.

Overall, the technologies use is globally accepted and have been practicing in many spheres as well as in education. The role of them is indispensable for the fact that they are time-saving and wholesome. For the instructors, the devices opened up new chances to conduct fascinating and interactive lessons despite the distances.

References:

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[4] https://education.forbes.ru/authors/online-education-vs-covid