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ADVANTAGES OF EDTECH TECHNOLOGIES IN DISTANCE LEARNING

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ABSTRACT

This article talks about the role of EdTech technology, which is a digital educational technology, in distance education and its tasks in increasing the effectiveness of students' knowledge.

KEYWORDS

Digital educational technologies, Distance education, online learning, EdTech technologies, flipped classroom.

INTRODUCTION

Scientific and practical research is being conducted around the world on the introduction of information technologies, including distance education, into the educational process, studying their didactic foundations, improving the methodology and methodological foundations for the development of new technologies, and modeling creative cognitive activity. from students. This depends on the extent to which innovative pedagogical technologies are used in

distance education in all aspects of human activity and the role that these technologies play in improving the effectiveness of social work. Therefore, the implementation of the development of mechanisms for the use of digital educational technologies in distance education is a task that cannot be postponed.

Digital education in distance learning is the orientation of technology to ensure the implementation of the full content of education, forms, methods and tools

between teachers and students. Distance education through digital technologies includes technologies for transmitting, distributing, processing and storing information.

Digital technologies have begun to penetrate every aspect of our lives: from communication to work, games or online shopping. Digital technology has also opened up new opportunities in education.” EdTech is one such technological innovation, derived from a combination of the words education and technology, and refers to the practice of introducing information and communication technology tools into the classroom to create inclusive and personalized learning experiences.

EdTech refers to the integration of information and communication technology into the classroom to create a holistic learning experience.

EdTech, or e-learning, involves the use of hardware and software designed to enhance teacher-led learning in classrooms and improve student learning outcomes. The

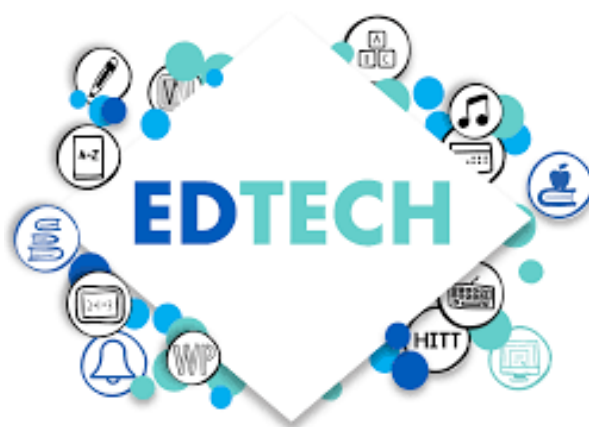
effectiveness of this digital learning technology can be determined as follows:

“Learn to facilitate learning and improve productivity by creating, using, and managing appropriate processes and resources.”

Carry out the theory and practice of design, development, use, management and evaluation of processes and resources studied using EdTech technology.

EdTech in teaching includes interactive projection screens, whiteboards, digital tablets and student response systems. EdTech opens up new opportunities for educators to enrich and motivate young minds.

EdTech is revolutionizing the traditional classroom by integrating technology into everyday learning activities. It helps teachers, students and management to redesign the learning environment and improve the learning process. With EdTech, learning can become a 24/7 process where students can access learning materials around the clock.



EdTech enables digital learning by bridging the communication gap between teachers and students. While students are immersed in technology, the advanced classroom has already become a part of students' daily lives thanks to technology devices. This is why learning using familiar devices adds a new dimension to the educational process and ensures better understanding of concepts among students.

One of the biggest benefits of EdTech is its ability to provide personalized learning at a pace that suits each student. Teachers have the opportunity to record video lectures in a way that is convenient for their students. Students can pause and reflect on the lesson being taught, and listen to the lecture several times before moving on. This ensures that they fully understand the concepts being taught.

Today, the technological tools at our disposal make it easier to complete group projects and assignments. From online presentation creators and study groups to word processors and spreadsheets, EdTech fosters collaboration and encourages meaningful conversations. Online learning tools and applications

create a unique and focused environment where students can participate in group classes from home and connect with their community online. Learning is fast and interactive, resulting in increased focus and increased engagement.

Today's students are tech-savvy and tend to spend most of their time online. This interest can be channeled into something purposeful, such as making online learning an enjoyable experience. The introduction of technology such as digital whiteboards, tablets, laptops, projectors and video conferencing technology makes the classroom an interesting place and increases student interest. It can inspire students to study by making the learning process a fun and interactive game. There are many educational games and applications for this.

Technology has improved teaching practices by making teaching more important and more effective for teachers and students. This made it possible to implement and support complex educational practices.



Advances in digital learning technologies have enabled teachers to incorporate multimedia elements such as audio and video into their lessons, as well as visual aids and student-centered activities. This makes learning fun for students and allows teachers to continue

teaching without worrying about students getting distracted.

With EdTech tools, teachers can effectively develop lesson plans directly in their online courses, reducing the time spent preparing lesson plans on a daily basis.

Scoring and data collection become more efficient and faster as online tests can often be automatically scored and graded through online learning platforms. Teachers can access free teaching materials online and eliminate paper documents.

EdTech supports blended learning capabilities by providing online videos instead of lectures so that students can learn the core material for each section independently and at their own pace. With techniques like the flipped classroom, teachers can spend more time in the classroom interacting with students and working on problem-solving skills.

It was during the pandemic that EdTech played a crucial role in enabling continuous learning despite the disruption of traditional education, thereby opening up new opportunities for education on a large scale. Covid-19 has forced the whole world to stay at home, showing us the importance of online education in teaching and learning. The pandemic has accelerated the need for technology that enables personalized learning beyond the traditional classroom. Since then, it has become impossible to introduce traditional, student-centered education.

The Covid-19 pandemic has fundamentally changed the concept of “classroom education”. Future classrooms will evolve with advanced integration of educational technology. According to education and training experts, educational technology will only continue to evolve. Over the next decade, businesses will use technology to create personalized learning experiences for students, researchers say. EdTech aims to make education accessible to everyone, and a robust digital education system will be an important part of the future. With enormous potential and wide-ranging impact, EdTech is proving to be a critical step

in ensuring students acquire the knowledge and skills needed to succeed in the digital age.

REFERENCES

1. Mamatov D.N, Bekchanova Sh.B, Sadiqova A.V, Xo'jaev A.A. LMS moodle tizimi va undan foydalanishni o'rganish. O'quv-uslubiy qo'llanma. – Tashkent, 2020 y. 90 b
2. Saidova Z.R., Bakieva Fotima Rakhmatullaevna, Jumaev Zafar Zarifovich, Xursanov Sherzod Ulaboyevich and Xayriyev Furqat Nusrato'g'li. Using Modern Information Technologies in the Lesson. International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 05, 2020 ISSN: 1475-7192
3. Bekchonova Sh.B. Fanlar bo'yicha raqamli ko'nikmalarni targ'ib qilish – raqamli dunyoda o'qitish uchun aralash ta'lim. “Raqamli iqtisodiyot sharoitida oliy ta'limning transformatsiyasi”. Respublika ilmiy-amaliy anjumanining ilmiy maqolalar va ma'ruza tezislari to'plami (2022 yil 18 noyabr). – Tashkent: “Imzo Print Media Group”, 2022. – 320-322 b
4. Mamatov D.N. Elektron axborot ta'lim muhitida kasbiy ta'lim jarayonlarini pedagogik loyihalashtirish. Dissertatsiya. 2017 y. 46 b.
5. Андреев А.А. Введение в дистанционное обучение. O'quv metodik qo'llanma. — M.: VU, 1997 y. 123 b.
6. Толстобоков, О.Н. Современные методы и технологии дистанционного обучения. Монография – М.: Мир науки, 2020.
7. Ibraimov A.E. Masofaviy malaka oshirishning pedagogik dizayni. Toshkent. “Lesson press”, 2020 y. 39 b.



8. Ibraimov A.E. Masofaviy o'qitishning didaktik tizimi. Amaliy qo'llanma. Toshkent. "Lesson press", 2020 y. 32 b.
9. E.S.Polat tahriri ostida // "Ma'sofaviy ta'lim" Darslik. Ed.Vlados markazi. - 1998. – S. 192.



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