

## ADVANTAGES OF DIGITALIZATION OF EDUCATIONAL PROCESSES

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**Anatasy:** *This article analyzes the digitalization of educational processes and new opportunities and tasks for educational participants. A method for improving the quality and effectiveness of education, creating a virtual environment in education, and effectively using pedagogical technologies used in international experience is also presented.*

**Keywords:** *education, digitalization, resources, interactive, logical, socio-economic, collection, analysis.*

**Introduction:** Today, the digitalization of educational processes and new opportunities for educational participants are being created worldwide. Because it makes it easier to collect and analyze a lot of data, providing them with efficient use of educational resources at any time and place. With the help of the digitalization of educational processes, it serves as an effective tool for expanding interactive and personality-oriented opportunities, increasing the interest and activity of students in the lesson, developing technological skills, forming the ability to think logically, distance and independent learning, as well as ensuring mutual cooperation and communication.

**Main part:** Digitalization of education means the integration of digital technologies for managing educational processes, improving quality and effectiveness, creating additional opportunities for teachers and students, improving educational results, data analysis, and remote access to educational services [1,2,3].

The main goals of digitalization of education are:

- Creating equal opportunities for educational participants - ensuring equal access to education and its services for all learners, regardless of their geographical location or socio-economic status.
- Improving the quality and effectiveness of education - flexible, interactive, and personality-oriented education, including the provision of educational resources based on the range of interests and learning outcomes of students.
- Increasing economic efficiency - optimizing the use of educational resources and reducing costs associated with traditional teaching methods.
- Development of international cooperation - the development of cooperation between students, educators, and educational organizations around the world.
- Continuous learning - continuous acquisition of knowledge and development of skills based on the principle of lifelong learning.

- Data-driven decision-making involves the use of data analysis to maintain educational policy and statistics, develop curricula, update or modify educational resources, including the introduction of new teaching methods. Based on the foregoing, we can see that the main goal of digitalization of education is to increase the content, quality, and effectiveness of education by achieving economic efficiency [4,5].

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The main tasks of digitalization of education are:

**Development of infrastructure.** Creation of the necessary technological infrastructure for the digitalization of education, including high-speed Internet, digital devices (computer, interactive whiteboard, projector, etc.) and educational management systems (educational platforms), as well as their constant technical support.

**Development of digital educational resources.** This involves creating digital textbooks, e-books, educational games, interactive multimedia content, and digital resources that correspond to various learning styles and advantages. This includes the digitization of traditional educational materials or the creation of new content specifically designed for digital platforms.

**Advanced training and support of teaching staff.** Development of digital literacy of teachers, organization of training, training seminars and advanced training courses on the use of pedagogical methods and technologies of online learning, including the use of modern pedagogical software tools in the lesson process. Ta'limni boshqarish tizimini joriy etish.

Use learning management systems such as Moodle, Canvas, or Blackboard to deliver subject content, facilitate communication between learners and teachers, manage assignments, including assessments, recommend content based on learners' interests and learning outcomes, and guide them towards a profession.

**Development of online courses.** Design and development of online courses that provide flexible learning opportunities for learners, including the delivery of asynchronous content, multimedia materials, interactive activities and assessments, as well as taking measures to involve learners in the online learning environment.

**Virtual classes and webinars.** Organization of virtual classes, webinars, and online lectures for real-time interaction between the teacher and the student, group work, and live Q&As. Use video conferencing tools like Zoom, Microsoft Teams, or Google Meet.

**Digital assessment tools.** Use of digital assessment tools and platforms for online management of questionnaires, tests, exams and assignments. This also includes formative assessment for ongoing feedback and summative assessments to assess learners' learning outcomes.

**Data analysis.** Use of tools for analyzing data related to students' self-improvement, activity, and learning outcomes. Analysis of this data helps to identify areas that need improvement, determine the trajectory of personal education, and make educational decisions.

**Digital citizenship and data security.** Formation of the necessary knowledge and skills in digital citizenship and data security by teaching students the ethics of correct and safe use of technology, digital communication skills, protection of privacy, awareness of cybersecurity.

**Support for inclusive education.** Ensure that digital educational resources and platforms are accessible, accessible, and provide special opportunities for children with special educational needs. This includes creating content that meets inclusive education standards, providing alternative formats, and using assistive technologies when needed.

In conclusion, it can be concluded that the main goal of digitalizing educational processes is not simply "installing a computer, conducting online classes," but improving the quality of education, increasing the efficiency of processes, and thereby strengthening human capital, which ultimately serves the development of the country and achieving economic efficiency. The use of modern digital technologies is new to the educational process, implementation of teaching methods and techniques, improving the quality and effectiveness of education, creating a virtual environment in education, effective use of pedagogical technologies used in international experience.

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