

Date: 1<sup>st</sup> April-2026

**DEFINING DIGITAL PEDAGOGY AND ITS ROLE IN MODERN EDUCATION**

**Khodjamberdyeva Kamila Ravshanovna**

Teacher Nizami National Pedagogical University Of Uzbekistan

+998908159961

[kamila.xodjamberdiyeva@gmail.com](mailto:kamila.xodjamberdiyeva@gmail.com)

**Bekirova Elvina Rivetovna**

teacher of the 1st category

schools No. 3 of the Tashkent region of the city of Chirchik

+998 97 345 11 35

[bekirovaelvina30@gmail.com](mailto:bekirovaelvina30@gmail.com)

**Annotation:** This article highlights the topic "Definition of digital pedagogy and its role in modern education", within the framework of the present time, possible practices of digital teaching in relation to higher and secondary vocational education are described.

With this approach, the educational process is organized using computers, the Internet, multimedia, artificial intelligence and other digital technologies. Digital pedagogy allows the educational process to be conducted in a flexible, interactive and individualized form.

**Keywords:** digitalization, цифровая digital pedagogy, pedagogy, process, digital education, digital pedagogy, information society, education system, educational services, quality of educational services.

**DEFINING DIGITAL PEDAGOGY AND ITS ROLE IN MODERN EDUCATION**

**Аннотация:** Данная статья посвящена теме "Определение цифровой педагогики и ее роли в современном образовании" и описывает возможные практики цифрового обучения применительно к высшему и среднему профессиональному образованию.

При таком подходе образовательный процесс организуется с использованием компьютеров, Интернета, мультимедийных средств, искусственного интеллекта и других цифровых технологий. Цифровая педагогика позволяет проводить образовательный процесс в гибкой, интерактивной и индивидуализированной форме.

**Ключевые слова:** цифровизация, ирская цифровая педагогика, педагогический процесс, цифровое образование, цифровая педагогика, информационное общество, система образования, образовательные услуги, качество образовательных услуг.

Digital pedagogy is a teaching methodology based on the use of modern digital technologies and information carriers in the educational process.

Role in modern education



Date: 1<sup>st</sup> April-2026

1. Personalization of the learning process. Digital technologies provide learning materials tailored to each student's needs, interests, and skills. This is especially important for distance education and automation of the learning process.

2. Distance learning opportunities. Digital pedagogy supports distance learning, which means that students and teachers can interact and learn regardless of their physical location. This expands global learning opportunities.

3. By using a wide range of learning resources: through the Internet, e-books, video lessons and other digital resources, students will have a wide range of opportunities to enrich their knowledge. It provides extensive and fast access to educational resources.

4. Increase interactivity and motivation. Digital tools, including game elements (gamification), multimedia materials, and interactive programs help students actively participate in the learning process. This method increases motivation and makes lessons interesting.

5. Artificial intelligence and automation. With the help of artificial intelligence technologies, the learning process becomes more efficient, as it monitors the level of learning of students and offers them appropriate activities. This allows teachers to save time and individualize the learning process.

6. Teamwork and collaboration. Through online platforms, students have the opportunity to work as a team, communicate and share their knowledge. These skills are very important in today's job market.

Digital pedagogy is fundamentally changing the modern education system, making the educational process more efficient, convenient and innovative. Together with the development of technology, this expands educational opportunities and allows for an individual approach to each student.

Skills of the XXI century are a set of knowledge, skills and abilities necessary for successful functioning in modern society. As a result of globalization, technological development and a sharp increase in the flow of information, people need not only traditional knowledge, but also innovative skills that meet the requirements of the new era.

Twenty-first century skills cover the following main areas:

1. Critical thinking and problem solving:

People need to find quick and effective solutions to their problems, analyze existing situations, sort information and be able to use it correctly. Critical thinking is important for making rational decisions in your personal and professional life.

2. Creativity and innovation:

The ability to generate new ideas, develop innovative approaches, and find creative solutions to complex problems. Creative thinking is becoming increasingly important in today's fast-paced world.

3. Communication and collaboration:

Ability to communicate effectively, work in a team with different people, and communicate information clearly and clearly. Communication and collaboration are an



Date: 1<sup>st</sup> April-2026

integral part of the modern work environment and learning process, especially in an international and multicultural environment.

4. Technological literacy:

Ability to effectively use digital technologies and information and communication tools. This skill is important in all aspects of modern life-study, work process, and daily activities. People need to know how to use different technologies to learn, work, and create new things.

5. Flexibility and adaptability:

Ability to adapt to rapidly changing conditions and find solutions in new situations. The ability to adapt to unexpected situations in future work and life is highly valued.

6. Information literacy and analytical skills:

Ability to understand, sort, and analyze large amounts of information. People need to be able to distinguish reliable information from false information, find the right information quickly, and use it correctly.

Why are 21st-century skills important?

The modern world is saturated with technology and innovation, and economic and cultural boundaries are increasingly expanding. Therefore, individuals and teams must acquire relevant skills to be competitive on a global level. Twenty-first century skills are critical to preparing students for future success and can be developed through digital pedagogy.

**LITERATURE:**

1. Digital pedagogy: technologies and methods: A textbook / N. V. Solovova [et al.]. Samara: Samara University Press, 2020. - 128 p.
2. Digital pedagogy in образовательном the educational space: Textbook / Ya. K. Sagalieva, D. M. sc. Esekeshova, A. A. Yusupova, E. Sh. Kochkorbayeva. - Almaty: "Bastau", 2020.
3. Arianna Rourke, Catherine Coleman "Pedagogy leads technology." WithSHA. Common Ground Publishing House, -2011.
4. Heather Fry, Steve Ketteridge, Stephanie Marshall. Handbook of Teaching and Learning in Higher Education. London, New-York, Routledge, 2003г.
5. [www.pedagog.uz](http://www.pedagog.uz)
6. [www.apkpro.ru/content/view](http://www.apkpro.ru/content/view)
7. [www.prometeus.nsc.ru/contents/books/slasten](http://www.prometeus.nsc.ru/contents/books/slasten)
8. [www.relarn.ru/conf/conf2007](http://www.relarn.ru/conf/conf2007)
9. <http://vilenin.narod.ru/Mm/Books/>
10. <http://www.allmath.ru/>
11. <http://www.ziyonet.uz/>
11. <http://window.edu.ru/window/www.astronet.ru>

