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IMPROVING THE PEDAGOGICAL CONDITIONS OF USING INNOVATIVE TECHNOLOGIES TO IMPROVE THE QUALITY OF EDUCATION IN NEW UZBEKISTAN

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Abstract: This article explores the essential pedagogical conditions required for integrating innovative technologies to enhance education quality in New Uzbekistan. It discusses the significance of teacher preparedness, infrastructure development, curriculum alignment, and cultural adaptation in ensuring the effective use of technology. By addressing challenges such as limited teacher training and unequal access to digital resources, the article proposes actionable strategies to foster an environment conducive to technology-driven education.

Key words: Innovative technologies, pedagogical conditions, education quality, New Uzbekistan, teacher training, digital tools, curriculum reform, infrastructure development, 21st-century skills.

The education system plays an unequaled role in maintaining our nation's economic security and driving its socioeconomic growth. A robust education system is crucial to securing the economy and socio-economic growth of our nation. It has become increasingly important to ensure educational quality in light of global trends, including internationalization, mobility, and rapidly evolving curricula. Today's socio-economic landscape and the elevated expectations for the spiritual, ethical, intellectual, and professional capabilities of upcoming specialists challenge educational institutions

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to produce top-notch personnel who meet global standards. In order to fulfill these tasks, it is necessary to use innovative pedagogical technologies in education.

In order to improve educational forms and teaching processes with techniques, pedagogical technology is a system of modern organization of the educational process that guarantees the required quality of education and satisfies the demands of accelerated scientific and technical development. It is a consistent method of creation and implementation in human factors, through their joint actions. The current trend in education is the employment of cutting-edge pedagogical technology.

Pedagogical conditions refer to the set of factors, principles, and practices that create a favorable environment for learning and teaching. These conditions serve as the foundation for implementing innovative technologies effectively. Without proper pedagogical preparation, even the most advanced technologies may fail to produce the desired impact on education quality. Key aspects include teacher readiness, institutional support, and alignment with curriculum standards.

Innovative education (see "innovation" - creation of new ideas, norms, rules in the learner, advanced ideas, norms, rules created by other people qualities related to natural reception, education that creates the possibility of formation of skills. [3]

The term "innovative technologies" encompasses a wide range of tools, including digital platforms, artificial intelligence, virtual reality, and gamification. In New Uzbekistan, these technologies are being introduced to:

- Facilitate interactive and personalized learning.
- Enhance student engagement and motivation.
- Improve access to quality educational resources, especially in remote areas.
- Support the development of 21st-century skills such as critical thinking, collaboration, and digital literacy.

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In accordance with their specialization, we have already started sending students to the production enterprises and factories of our country for internships in our institutes. But our suggestion is that the scientific research institutions of the Academy of Sciences of the Republic of Uzbekistan invited a representative to the institute as an honored guest, and the privilege of hearing his speech at the seminar and the scope of the impressions received from it would have encouraged talented students.[2]

New Uzbekistan has prioritized the integration of innovative technologies to enhance the quality of education. This vision aligns with the country's broader objective of cultivating a competitive, skilled, and adaptable workforce for the 21st century. To realize this ambition, it is essential to establish robust pedagogical conditions that support the effective use of such technologies. Individual innovations in education can be introduced by each instructor. Having gained fresh knowledge about the fundamentals of his subject, subjects, scientific advancements, and innovations in this sector, he may use it to teach, provide examples, develop a new teaching approach, and build his class on it. When a teacher feels dissatisfied with his work, he attempts to better it by introducing innovative technologies.

The famous pedagogue A. Nikolskaya said: "The renewal of activity is carried out in 3 stages, that is, in the stages of preparation, planning and implementation." [1] The main goal of innovative technologies is to achieve cooperation between the teacher and the student, to make students interested in science, to change the attitude towards education, to acquire the ability to apply the learned knowledge in social conditions, information communication technologies and didactic materials can be combined with the subject.

Nowadays, there is a growing focus on integrating interactive methods, cutting-edge technologies, and pedagogical and informational tools into education. Unlike traditional approaches that primarily deliver pre-packaged knowledge, modern technologies empower students to independently seek out, study, analyze, and even

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make conclusions from the information they acquire. The teacher facilitates this by creating an environment conducive to individual development and learning, while also managing and guiding the educational process, with students taking center stage. Innovative activity fundamentally involves conducting scientific research, developing new advancements, engaging in experimental and trial work, and producing enhanced products by leveraging scientific and technical progress. The teacher must be well-versed in innovative methods to effectively work with these pedagogical technologies. Institutions that integrate modern tools and teach through cutting-edge pedagogical approaches are often considered the leading establishments in this field. The inventive engagement of a teacher is shaped by their willingness to embrace new methods, their openness to educational advancements, the extent of their innovative thinking, their enhancement of communication abilities, and their creative prowess.

Innovative activity involves tackling intricate challenges that emerge when new societal demands clash with conventional norms or when existing concepts are challenged by newly developed ideas.

Innovative activity requires the acquisition of knowledge, skills, competences, supplementing practical activities with theoretical knowledge, development of knowledge, design, communicative speech and organizational skills based on directing the spiritual, mental, and physical strength of the pedagogue to a certain goal. [3]

To overcome these challenges, New Uzbekistan must focus on creating and sustaining pedagogical conditions that promote the effective use of innovative technologies. The following measures are critical:

1. Professional Development for Teachers. Teachers play a pivotal role in the successful integration of technology. Continuous professional development programs should:

- Provide hands-on training in using digital tools and platforms.

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- Introduce innovative teaching methods, such as flipped classrooms and blended learning.
- Encourage collaboration and knowledge sharing among educators.

2. Strengthening Educational Infrastructure. Investments in educational infrastructure are essential. This includes:

- Expanding access to high-speed internet and digital devices.
- Establishing technology-enabled classrooms.
- Developing local e-learning platforms tailored to the Uzbek context.

3. Revising Curriculum and Assessment Methods. Curricula must be updated to integrate technology seamlessly. This involves:

- Embedding digital literacy and computational thinking into core subjects.
- Designing assessments that evaluate both content knowledge and technological competencies.

4. Promoting a Supportive Culture. A cultural shift is needed to embrace technology in education. Efforts should include:

- Raising awareness among stakeholders about the benefits of technology.
- Encouraging innovative teaching practices through recognition and incentives.
- Addressing psychological barriers by fostering a growth mindset.

Pedagogical technology is an intricate and incomprehensible field of study that deals with human awareness and thought. It is peculiar because it addresses the issue of upbringing as well. Therefore, how many facets of a human being are fully represented in technology, how its professional and psychological aspects are taken into consideration, and how their future development (or decline) is taken into account determine how effective technology is. In this way, technology can also be used to create, diagnose, and develop stages of a person's development. The teacher's proficiency with the technology will determine this.

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In conclusion, innovative pedagogical technologies are the propelling force behind educational development if their application improves educational quality. The state of the education system, which is an essential component and a critical requirement of any society, determines its future. Today, state policy has been raised to the level of reforming and enhancing our nation's continuous education system, which is on the path of independent development, bringing it up to a new standard of quality, integrating cutting-edge pedagogical and information technologies, and boosting educational efficacy.

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