

UPDATING EDUCATIONAL METHODS BASED ON INNOVATIVE TECHNOLOGIES

*Andijan State Pedagogical Institute**Theory and Methodology of Education and Training**(Technological Education) 1st year Master's student**Mominova Odinaxon Makhammadjon kizi*

Abstract: Nowadays, the implementation of innovative technologies in the education system has become a necessity. This thesis analyzes the renewal of teaching methods through the use of modern information and communication technologies, distance learning platforms, artificial intelligence, and other innovative technologies.

Innovative technologies enhance interactivity in the learning process, as well as the activeness and independent thinking abilities of students.

Keywords: Innovative technologies, teaching methods, information and communication technologies, digital technologies, distance learning, artificial intelligence, virtual reality, pedagogical approach, learning process, gamification, modernization of the education system.

INNOVATSION TEXNOLOGIYALAR ASOSIDA TA'LIM METODLARINING
YANGILANISHI*Andijon davlat pedagogika instituti**Ta'lim va tarbiya nazariyasi va metodikasi**(Texnologik ta'lim) 1-kurs Magistratura talabasi**Mo'minova Odinaxon Maxammadjon qizi*

Annotatsiya: Bugungi kunda ta'lim tizimida innovatsion texnologiyalarni joriy etish talab etilmoqda. Ushbu tezisda zamonaviy axborot-kommunikatsiya texnologiyalari, masofaviy ta'lim platformalari, sun'iy intellekt va boshqa innovatsion texnologiyalar yordamida ta'lim metodlarining yangilanishi tahlil qilinadi. Innovatsion texnologiyalar o'quv jarayonida interaktivlikni, o'quvchilarning faolligini va mustaqil fikrlash qobiliyatlarini rivojlantiradi.

Kalit so'zlar: Innovatsion texnologiyalar, ta'lim metodlari, axborot-kommunikatsiya texnologiyalari, raqamli texnologiyalar, masofaviy ta'lim, sun'iy intellekt, virtual reallik, pedagogic yondashuv, o'quv jarayoni, gamifikatsiya, ta'lim tizimi modernizatsiyasi.

Innovative technologies are new pedagogical products and a system for monitoring the quality of education, in addition to the information and communication complex. Regarding these:

Information and communication technologies (ICT): managing the learning process using computers, tablets, interactive whiteboards and mobile applications. This helps to provide direct contact with students and provide fast and high-quality delivery of knowledge.

Distance learning systems: provide students with education regardless of their location through online platforms (Zoom, Google Meet, Moodle, Coursera, etc.).

Artificial intelligence: offers lessons tailored to the individual development of students. This methodology allows for an individual approach to each student, without external factors.

Virtual and augmented reality technologies: help teach complex subjects (for example, biology, physics or chemistry) in a more understandable and visual way.

Gamification (gamified education): introducing the game process into the educational process to increase the activity and load of the game.

The renewal of educational methods also encourages teachers to master new technologies. The modern teacher no longer only gives knowledge, but also acts as a guide and advisor to the educational force.

Conclusion

Educational innovations based on innovative technologies are not only a national requirement of the time, but also an important factor in fundamentally changing educational methodologies. In this case, it serves to analyze students' independent thinking, creative production, and information creation skills. Therefore, each educational field and pedagogical field should deeply master modern technologies and apply them in practice.

List of used literature

1. Abdurahmonova, G.T. (2022). Pedagogical technology and pedagogical skills. Tashkent: TDPU
2. Azizkhojyeva, N.N. (2021). Innovative technologies in education. Tashkent: Science and technology publishing house.
3. Khodjajev, N.Kh. (2020). Fundamentals of introducing information technologies into the educational process. Tashkent: Ilm ziyo.
4. Ergashev, O.A. (2023). The introduction of artificial intelligence technology in the education system. Journal of Innovative Education, 5(1), 33-40