



## Use of innovative technologies in the organization of independent education

Quvandiqova Mohinur Ilhomiddinovna  
ADPI instructor

**Annation:** the digital age has revolutionized various areas of our lives, including education. An increasing number of individuals are turning to innovative technologies to form their own study trips outside the traditional education system. In this article, we will explore the use of the most advanced technologies to organize independent education and the benefits they offer to learners.

**Keywords:** online, platforms, Independent Education, popularity, profession, MOOCs.

1. Online learning platforms: the basis of Independent Learning, online learning platforms have gained immense popularity. They provide a wide range of courses, from academic subjects to vocational skills, allowing students to adapt their education according to their interests and goals. These platforms offer flexibility in resource planning, speed, and access, allowing individuals to take on their own learning experience.

2. Massive Open Online Courses (MOOCs): MOOCs emerged as a game changer in independent education. Often offered by reputable universities or industry professionals, these free or low-cost online courses offer high-quality content for anyone connected to the internet. MOOCs cover a variety of topics and provide interactive features such as forums and quizzes, which shape a sense of community among learners.

3. Virtual reality (VR) and augmented reality (AR): VR and AR technologies are transforming independent learning by creating immersive and interactive learning experiences. Learners can virtually visit historical sites, explore scientific concepts, or conduct complex experiments, increasing their understanding and engagement. These technologies provide opportunities for Experimental Education without physical barriers, enabling individuals to research disciplines beyond their immediate environment.

4. Artificial intelligence (AI) in personalized learning: AI-powered educational tools are revolutionizing personalized learning. Adaptive learning platforms analyze the strengths and weaknesses of learners, provide personalized content and recommendations. Intelligent teaching systems offer personalized tutorials and feedback, mimicking one-on-one interaction with teachers. These AI-based technologies are optimizing educational experience, Qing'irying individual learning styles.

5. Online communities and collaborative learning: independent learners can connect with similarly minded individuals through online communities, forming a collaborative learning environment. Platforms such as discussion forums, social media groups, and video conferencing facilitate knowledge sharing, group projects, and mentoring opportunities. These interactions increase learning experience and provide a sense of belonging to a larger learning community.



# The Peerian Journal

Open Access | Peer Reviewed

Volume 19, June, 2023.

Website: [www.peerianjournal.com](http://www.peerianjournal.com)

ISSN (E): 2788-0303

Email: [editor@peerianjournal.com](mailto:editor@peerianjournal.com)

Innovative technologies are innovations, modifications to the activities of the teacher and student in the pedagogical process, which necessitates the use of interactive methods in its implementation. Interactive methods are based on the activity of each student participating in the educational process, free and independent thinking. Learning becomes an interesting activity for the student when using these methods. When interactive methods are used, students acquire the skills and qualifications of independent work with the help and cooperation of teachers. Students acquire new knowledge on the basis of scientific research, research, conducting experimental tests. The principle of obtaining knowledge through science is followed. Participants in the educational process work in small groups. Instructional assignments are given to all members of a small group rather than to a separate student. The main form of organizing the teaching process is a lesson. At the moment, various unconventional forms of the lesson are being introduced. Such classes serve the formation of skills and competencies in order to grow the creative abilities of the student, strengthen his mental potential, expand his scientific worldview and be able to quickly and fully perceive each innovation. The application of innovative technologies in the course of the lesson arouses interest in scientific research in students, develops creativity and creativity. As a result, the acquired knowledge, skills and qualifications are applied in practical activities, the quality of mastering increases. To do this, the teacher must be skilled and plan the lesson correctly, depending on the content of the topics, achieve active and conscious work of all students during the training. After all, the teacher is the chief executive of the educational reform. In this, it is important to train each teacher to be able to master, process and put into practice a very large set of information in a short period of time. In solving it, the teacher is helped by the use of modern information technologies, including computers, along with traditional methods of teaching.

Conclusion: the emergence of innovative technologies has opened up new ways of Independent Education. Online learning platforms, MOOCs, VR / AR, AI-based tools, and online communities offer individuals the opportunity to curate personalized learning trips. Learners with these resources can acquire knowledge, skills, and competencies outside of traditional educational systems, forming a culture of continuous learning and personal growth.

## Literature used:

1. O'zbekiston Respublikasi Prezidenti Shavkat Mirziyoyevning Oliy Majlisga Murojaatnomasi. // «Xalq so'zi» gazetasi, 2017 yil 23 dekabr
2. Ibragimova G.N. Interfaol o'qitish metodlari va texnologiyalari talabalarning kreativlik qobiliyatlarini rivojlantirish. I Monografiya. - T.: «Fan va texnologiyalar», 2016. -77-b.
3. Mochalova N.M. Maktabning metodik ishini tashkil etishning innovatsion yondashuvlari: O'quv qo'llanma. - Ufa, 2002. - 86 bet Slastenin V.A., Podimova L.S. Pedagogika: innovatsion faoliyat. - M., 1997
4. Panfilova A.P. Innovatsion pedagogik texnologiyalar: Faol o'rganish: Oliy o'quv yurtlari talabalari uchun darslik / A.P. Panfilov. - M., Akademiya, 2009 y.