

DISTANCE EDUCATION PERSPECTIVES AND INNOVATIONS

*Abdullaeva Gulchekhra Shukhratovna<sup>1</sup>*

*Abdullaeva Shokhista Shukhratovna<sup>1</sup>*

*<sup>1</sup>Teachers of the Bukhara Engineering and Technology Institute*

**Annotation.** The article presents distance education. The main educational technologies that are a condition for the successful implementation of distance learning are named. The features of distance learning are analyzed, problems in the organization of the educational process with a predominance of distance learning technologies, methods, forms and means are identified.

**Keywords:** distance education, training, IT-technologies, innovations, pedagogical and information technologies, Internet, software.

The Decree of the President of the Republic of Uzbekistan “On measures for the further development of the higher education system” dated April 20, 2017 became a new impetus for a radical improvement in education, a radical revision of the content of training at the level of international standards. In accordance with this document, large-scale work is being carried out in the country to introduce modern forms and technologies of education, to strengthen the orientation of areas and specialties of training specialists. At the same time, the Program for the Comprehensive Development of the Higher Education System for the period 2017-2021 was approved, which includes measures to strengthen and modernize the material and technical base of universities, equip them with modern educational and scientific laboratories and modern information and communication technologies.

In the modern education system, the use of information and communication technologies as a tool that increases the effectiveness of education is undeniable. At the same time, information technologies are widely used both to support the traditional education system and to introduce a new model – distance learning. Over the past two decades, distance learning has become a global phenomenon of educational and information culture, changing the face of education in many countries around the world. The development of distance education is recognized as one of the key areas of the main educational programs.

Distance education is one of the most promising and, perhaps, the most innovative direction in the field of education, due to the level of development of modern IT technologies. The effectiveness of distance education is determined by the pedagogical meaning invested in it, which are two different kinds of approaches. The first approach, which is currently widespread, implies the exchange of information between a teacher and a student under distance education. Knowledge is understood as

transmitted information, and students do not acquire their own experience, and their practical activities to create knowledge are practically not organized. The second approach is based on distance learning, the result of which is the personal productive work of students, built on modern IT technologies. This approach integrates pedagogical and information technologies, which make it possible for students to interact with practically oriented educational material, which ensures the productivity of the educational process. Manipulations with information have in this case the role of an auxiliary environment. Training can occur both simultaneously in real time, and also non-simultaneously. A creative, original approach to education is the main feature of distance education of this type. The main goal of such training is the self-expression of the student.

Today, in practical implementation, distance education practices the whole range of modern IT technologies, such as e-mail, thematic lists, mailing lists, electronic magazines, Usenet conferences, chats, ICQ, web conferences, bulletin boards, VR technologies. In this regard, it should be noted that technologies based on e-mail and video conferencing are most actively used. It is also worth noting the existence of a huge amount of special software that allows you to comprehensively solve many organizational and pedagogical problems of distance education. With the help of the above IT technologies and tools, it is possible to use various pedagogical forms of activity, such as remote business games, laboratory work and workshops, virtual visits to inaccessible objects, virtual excursions, computer correspondence of students, as well as teachers with each other, and more.

Distance forms of classes are also actively used to improve the skills of teachers, various remote pedagogical conferences and competitions play a huge role. The "Internet" increases the role of "networked" teachers, since the area they influence thanks to IT technologies is huge, and can cover a large area compared to the usual approach to education. Distance education has its pros and cons, but it also has prospects for development in the future. New technologies will allow us to open up new areas of science and education.

### References

1. Tosheva, N., & Abdullaeva, G. (2022). THE CONCEPT OF " INNOVATION" AND TYPES OF INNOVATIVE TECHNOLOGIES. *Scientific progress*, 3(3), 586-589.
2. Тошева, Н. М., Тухтаева, З. Ш., & Атамурадова, Г. О. (2014). Значение самостоятельного образования при формировании творческой деятельности. *Молодой ученый*, (8), 878-879.
3. Abbasovna, M. M. (2022). INFORMATION ABOUT THE SCIENCE OF " ILM AL-KHANDAS" IN THE WORKS OF ABU NASR FARABI. *Academicia Globe: Inderscience Research*, 3(03), 238-245.

4. Gulchekra, A. (2022). STUDY OF DYNAMIC ANTHROPOMETRY FOR MAKING CLOTHES FOR VARIOUS PURPOSES. *Universum: технические науки*, (2-7 (95)), 43-46.
5. Абдуллаева, Ш. Ш. (2017). Характеристика дистиллятных фракций на установке цеоформинг. *Вопросы науки и образования*, (2 (3)), 50-52.
6. Абдуллаева, Ш. Ш. (2016). Защита от коррозии оборудованияминовой очисткой газов. *Наука и образование сегодня*, (2 (3)), 31-32.
7. Ражабова, Г. Ж., Тошева, Г. Д., & Бокиева, Г. У. (2015). Использование технологического стенда при изучении дисциплин профессиональной направленности. *Молодой ученый*, (3), 215-217.
8. Шарипова, С. И. (2013). МОДЕЛИ ТЕХНОЛОГИЙ ОБУЧЕНИЯ НА ЛЕКЦИЯХ. In *СОВРЕМЕННЫЕ МАТЕРИАЛЫ, ТЕХНИКА И ТЕХНОЛОГИЯ* (pp. 405-407).
9. GI, T. (2021). Mathematical Modeling of the Stress-Deformed State of a Fur Package With a Constant Cross Section Under the Action of a Heat Field and External Forces. *Eurasian Journal of Academic Research*, 1(04).