



THE ROLE OF VIRTUAL TECHNOLOGIES IN MODERN PROFESSIONAL QUALITIES OF FUTURE TEACHERS OF TECHNOLOGICAL EDUCATION IN HIGHER EDUCATIONAL INSTITUTIONS

Umrzakov Bekhzot Buronovich

Kokan DPI National Handicrafts and Applied Arts Faculty Dean

Article history:	Abstract:
Received: 4 th January 2023 Accepted: 4 th February 2023 Published: 8 th March 2023	The purpose of the Law "On Education" of the Republic of Uzbekistan is to improve the education system at the world standard level and to train competitive, mature specialists. The concept of electronic education proposed by Bedpool Khan has eight aspects: pedagogical, technological, pedagogical interface design, assessment, management, support for feedback, ethical feedback, and feedback [25].

Keywords: electronic education, modern and systematically thinking

The purpose of the Law "On Education" of the Republic of Uzbekistan is to improve the education system at the world standard level and to train competitive, mature specialists. After all, in the "Concept of the Development of the Higher Education System of the Republic of Uzbekistan until 2030", the objective parameters of increasing the level of access to higher education, training highly qualified, modern and systematically thinking, highly educated specialists based on international standards, Investment programs, regional and network programs, requirements of the Boards of Trustees, formation, taking into account global technological changes, optimization of educational areas and specializations, including the development of STEAM areas (exact sciences, technology, engineering, creative arts and mathematics), in this regard, advanced pedagogical technologies, educational programs and educational materials based on international educational standards There are specific requirements and tasks for its wide implementation. As President Sh.M. Mirziyoev noted: The world of spirituality will be enriched with new meaning only if comprehensively based scientific answers are found to the current issues of every era.

In modern education in Japan, we are in the period of rapid development of innovative technology, mobile phone with android operation system, etc. This voice provides a convenient opportunity for a quick exchange of information, making it possible for successful mutual cooperation (dialogue) among interlocutors who are punctual and punctual. Today, it is no secret that virtual technology is being actively used to improve the quality of education. This

eca requires a lot of modern ICT application to the education system. In the course of his education, the student learns how to work with text using virtual technology, how to create visual objects and databases, and how to use electronic spreadsheets. The application of virtual technology in the classroom increases the motivation to study, the curiosity of the student, and the educational achievement.

The concept of electronic education proposed by Bedpool Khan has eight aspects: pedagogical, technological, pedagogical interface design, assessment, management, support for feedback, ethical feedback, and feedback [25].

With that, it should be noted that technology is developing so fast and filling the gap that even the most advanced teacher does not have time to catch up with this Japanese language. Agap will talk about language education, in which 5 years ago, a CD-ROM was attached to the notebook as an open application, and the entire notebook and its contents, including audio, video, teacher's book, etc. online use, and there was no need to carry an optical drive to the laptop, it became possible to use only gadgets or devices on the laptop.

This technology, which appeared for the common user, finds its place in the field of education. This is true for technology and even futuristic technology such as Viptual Technology. For several years now, Google has been researching the use of virtual technology in education, resulting in the creation of its own Google Expeditions application, which allows you to visit many places without leaving the classroom. This laptop developed by Ulap includes more than 200 virtual tours for virtual tours, and it allows students to tour



individually or in groups, which is more convenient for training. This type of virtual tour can easily allow any teacher to reproduce a story, photocopy or physical memory, for example, a student's visit to a certain place can be compared live in a virtual tour. This document is actively used in the education system of many countries, taking geography, geography, culture, art and world knowledge to a completely different level. It is worth noting that the modern generation is more comfortable working online, and it has already become a "natural environment" and they live in technology.

A high level of ICT competence is noted in the modern digital generation, as well as a high motivation to use technology in life and learning, it enables the formation of the ability to think quickly and perform many tasks at the same time, which makes virtual technology more interesting, understandable and comprehensive. [44].

Currently, there is very little information on the topic of virtual technology, and therefore very little pedagogical research has been conducted on this topic. Agap Ya.Yu. Lenz b The definition of virtual technology is understood as "a computer environment in which one or more users can interact or create independently in a certain context, falling into an imaginary world separated from the computer, so the following definition of virtual technology in language education can occur: In the virtual space created by the computer that reproduces the socio-cultural reality of the language country, the student has the opportunity to participate in the language, cultural, socio-cultural or communicative situation [44]. Ya.Yu. Lenc also highlights two important features of virtual technology: the full channel-free transmission of audio (not only multi-channel, but also optical and audio-free) and the unique interactive capabilities of the interface. These two factors are also relevant to the language learning process, which is a holistic approach aimed at engaging the language learner and the learner (relying on social influence), as well as the idea that the more language learning is involved in the learning process, the higher the acquisition rate. affirmatively, Gapdnepe's set of intelligence is greater in the acquisition of the narcotic [44].

In 2018, the Cambridge University blog reported on the widespread use of virtual technology in the study of human demand. Micollap quoted in the Nashpiyot blog is informative. In his video blog, L.Bopdkosh talks about the topic. On the one hand, learning a lesson on the subject of "Taomlap" and doing the cooking in a traditional format, on the other hand, putting on virtual

glasses and unexpectedly falling into a virtual kitchen, getting to know the peal menu and buying food share a different meaning [18].

What else can virtual technology do? In the teaching of technological education teacher students, expert on ICT, Paul Dpaivep, multiplies by distinguishing two important directions: full play and virtual tour [22]. The game is widely used in the teaching of technological education, especially in the communicative approach. Polly oynlap can be called "claccik janp", about the nature and form of zepo ulap, many local researchers have written a lot in their work. Virtual technology can take the overall gaming experience to a new level, especially if the virtual gaming experience is connected to the context of the simulation. With the advantages of virtual technology, there are also disadvantages.

In conclusion, we can say that modern technology is rapidly changing our way of life, virtual technology is radically changing the form and content of education. A new level of education cannot be associated with technology, and today technology provides a wide range of opportunities for studying abroad, both for organizing independent work of students and for more comprehensive organization of studies.

In order to develop modern professional qualities, the role of virtual technologies is important in the future teacher's interest in science, science, creativity, the ability to connect theory and practice, and the ability to apply theoretical knowledge and skills in practice. They should be able to understand that an innovative, technological approach to solving the tasks and problems in front of them will provide additional opportunities. Here are some of them:

- ability to quickly adapt to new types of activities in society, new approaches;
- virtual technologies can become the meaning of human life, a way of self-expression;
- virtual technologies enable successful resolution of conflicts arising in the process of solving technical and production issues;
- on the basis of virtual technologies, the future specialists of technological education will have the most noble personal qualities, such as determination to achieve the goal, the ability to correctly accept criticism;
- On the basis of these processes, in the process of formation of modern professional qualities, mutual harmony of mental and physical work is achieved.

Pedagogical scientists of our country and abroad conducted research on the problems of formation of professional qualities in teachers of future technological



education. Their schools, approaches, orientations are different, and the pedagogical necessity of improving the content of formation of modern professional qualities through virtual technologies in the teachers of future technological education in higher educational institutions has not been specifically researched in the scientific research of scientists.

It can be seen from this that modern professional qualities of a person improve over time, modern professional qualities in young people are a product of mental thinking along with creativity, emotional thinking, and at the same time, they are based on the set of knowledge acquired by a person. it is broken.

Didactic aspects of the development of professional qualities in young people E.F. Zeer [61], I.I. Karimov [41], U.KDolipov [149], N.A. Muslimov [106], N.N. Alimov [24], D It was reflected in the studies of F. Jalolova [56], Z.K. Ismailova [68], D.O. Khimmataliev [159], N.V. Kuzmina [79] and others.

The importance of preparing students for work, socially useful work, and engaging in production by forming professional qualities in students V.P. Bepalko [31], P.R. Atutov [26], N.A. Muslimov [104], V.A. Kan -Given in the works of Kalik [74] and other pedagogical scientists.

N.A. Muslimov [111], Sh.S. Sharipov [169], A.A. Alimov [24], O.A. Kuysynov [87], T.J. Ismoilov [69] and others in a number of studies The issues of improving the training of teachers of the field of education to become leaders in the process of opening higher pedagogical educational institutions were developed.

For example, in the research of T.J. Ismailov, the issue of training the teachers of the field of vocational education in pedagogical institutes to lead the development of technical creativity of rural schools was developed in relation to the improvement of the construction of rural farm machines [69]. In the work of Sh. Sharipov, similar recommendations were made for the preparation of future students of technological education for inventive activities [169].

Also, scientists such as A.E. Simanovsky [142], H.R. Sanakulov [137], A.A. Karachev [75] were engaged in preparing future teachers of technological education to lead children's technical creativity, this work is one of the professional qualities of students. is of great importance in improving creative activity. No matter what a person does, if his creativity is not shown, his work will not stand out and will not attract attention.

Alloma Farobi "in this process, a person uses all his mental and spiritual qualities. The decisive moments of

his creative activity usually occur with special care, with situations where a person's strength and abilities waver," he explains [153].

R. Crutchfield is based on the idea that professional qualities develop during the performance of certain creative tasks based on a methodical approach and creative abilities [84].

E. P. Torrens offers a multi-step technology for developing creative thinking based on the content of professional quality. In the first stage, the participant of the training is shown pictures of various situations, and he is asked to think about all the usual and unusual reasons that led to the situation, and the various consequences that are likely to occur as a result of it. a thought-provoking task is given [134].

Issues of formation of professional qualities in future teachers, lesson planning, and thinking through complex study of problems Yu.B.Naumkina [114], R.S.Safin [138], N.A.Muslimov [108], M.P.Sibirskaya [140]] has been studied by scientists such as In the formation of modern professional qualities, first of all, the teacher working in the field of education should have such personal qualities. Only then will he be able to develop the same characteristic in others and react to it.

The conclusion is that the direction of future technological education allows students to develop their professional qualities in the process of innovative education.

The ultimate goal of the "Concept of the Development of the Higher Education System of the Republic of Uzbekistan until 2030" is to increase the level of access to higher education, to prepare highly qualified, modern and systemically thinking, highly educated specialists based on international standards. is the formation of individuals necessary for development.

A person begins to feel a sense of pride after reaching the level of perfection of social identity. Everyone can become an individual in a social environment, but not everyone is lucky enough to reach the highest level of self-awareness. Only a person who has reached the level of perfection of self-awareness will be a selfless person who can sacrifice his life for the sake of the happiness and peace of this country, in addition to living as his people and country. The most correct and perfect way for a modern teacher to show his identity as a social, balanced, socially active person is to surround himself with knowledge, high spirituality and culture, find his place in this life, and curb his ego and lust that lead him to evil. , is to educate one's



personality and live in pursuit of perfection. Only then can he be worthy of the title TEACHER and achieve true professional happiness. It is time for the modern pedagogue to have such modern professional qualities that influence his formation as a selfless person.

The above analyzes show that education will not be effective if innovative, pedagogical and virtual technologies are not implemented in modern lessons. This is the process and the modern professional qualities of the teacher have a leading place. Therefore, in the organization and development of continuous pedagogical education, having a scientific solution to this problem has become the most important and urgent task of today's pedagogy.

The Law "On Education" stipulates that a creator of educational services, after obtaining a qualification, works in the field of education, material production, science, culture and service and participates in the study of his knowledge and experience.

Based on the nature of this law, along with the training of specialists in various areas, the continuous education system has its own system of training of scientific and pedagogical personnel and directing them to scientific research. The main object of this system is the learner, that is, the student - young people, and the characteristics directly related to the teacher's profession are not enough when entering into an educational-educational relationship with young people. In this, of course, the level of culture of the specialist needs to be harmonious, and they have the law of consistently complementing each other and developing.

REFERENCES:

1. O'neill, Kayte, Gurmak Singh, and John O'donoghue. "Implementing elearning programmes for higher education: A review of the literature." *Journal of Information Technology Education: Research* 3.1 (2004): 313-323.
2. Semenyuk, Olga, et al. "New educational programmes as a factor in forming students' innovative competencies." *World Transactions on Engineering and Technology Education* 17.3 (2019): 367.