

## THE USE OF MODERN TECHNOLOGIES IN THE DEVELOPMENT OF DIGITAL COMPETENCIES OF STUDENTS

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### **Abstract**

*Each society brings up a necessary personality for itself. It makes ethical, ecclesiastical, Professional-professional, legal and a number of other requirements based on the level and trends of its development. The ultimate goal of the development of society is also a person, his comfortable, free and safe life. This article covers the issues of the use of modern technologies in the development of digital competence of students.*

### **Keywords**

*professional competence, shahs, education, pedagogical system, teacher, education, educational process, digital technology, information and Communication Technology, higher education system, modern education, digital knowledge, Internet system, distance learning. pedagogical technologies, multimedia tools.*

## ИСПОЛЬЗОВАНИЕ СОВРЕМЕННЫХ ТЕХНОЛОГИЙ В РАЗВИТИИ ЦИФРОВЫХ КОМПЕТЕНЦИЙ УЧАЩИХСЯ

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### **Аннотация**

*Каждое общество воспитывает нужную ему личность. Он предъявляет к нему моральные, религиозные, профессионально-профессиональные, правовые и ряд других требований, исходя из уровня и тенденций его развития. Конечной целью развития общества является также человек, его благополучная, свободная и безопасная жизнь. В данной статье освещаются вопросы использования современных технологий в развитии цифровой компетентности студентов.*

### **Ключевые слова**

*профессиональная компетентность, личность, образование, педагогическая система, учитель, образование, образовательный процесс, цифровые технологии, информационные и коммуникационные технологии, система высшего образования, современное образование, цифровые знания, интернет-система, дистанционное обучение. педагогические технологии, мультимедийные средства.*

**Introduction.** The Constitution of the Republic of Uzbekistan (1992), the law “on education” (2020), classical views related to pedagogy are the conceptual basis for the problem of developing the competence of a school teacher and its solution. These foundations laid the groundwork for extensive reforms in the system of education and education (pedagogical processes).

In the minds of all citizens living in the country, including pensioners from young children, it forms the idea that all problems in society can be solved through digital technologies. In addition, the issue of robotization of production and management processes, such as in the banking sector, is also being raised, as is the question of competition between robots and workers. Moral, personal data protection based on the use of numbers and with the unconditional benefit of the introduced technologies, issues related to the legal aspects of competition between employees of robots and organizations are increasingly being considered.

In this regard, as the president of our country Shavkat Mirziyoyev noted, “in order to achieve progress, it is necessary and necessary for us to master digital knowledge and modern information technologies. This gives us the opportunity to follow the shortest path of ascent. After all, today Information Technology is deepening into all areas of the world. Of course, we know very well that the formation of a digital economy requires the necessary infrastructure, a lot of funds and labor resources. However, no matter how difficult it is, when do we get into this business if we don't start today?! Tomorrow will be too late ” [1].

The management of the state and society, as well as in the social sphere, can widely introduce digital technologies and increase productivity, in a word, dramatically improve the marriage of people. The digital economy is not the only type of activity, but it means business, industrial facilities, quality education and services. The term "digital" refers to the active use of Information Technology in all areas. If in a simple economy material items are considered the main resource, then in a digital economy it will be Information, information that will be processed and transmitted. After their analysis, a solution for proper management will be developed.

In accordance with the conceptual framework, the way is being opened to connect the structure and stages of educational and educational processes with each other, that is, to organize a continuous educational system, to manage the educational system so that it can meet the requirements of today's modern, progressive Democratic states.

### **LITERATURE REVIEW**

Decree No. 60 of the president of the Republic of Uzbekistan "on the development strategy of New Uzbekistan for 2022-2026" dated January 28, 2022, Decree No. PF-5847 "on approval of the concept of development of the higher education system until 2030" dated October 8, 2019, Decree No. 29 of December 2016 "on measures for further improvement of the education system in 2017-2021" dated PQ-2909, Ensuring the implementation of the decisions of PQ3569 of May 7, 2018 "on additional measures to improve the mechanisms for applying innovations to the economy and sphere areas" in many ways serves to wisely manage pedagogical processes.

In order to ensure the implementation of the above tasks, the improvement of educational technologies in the development of professional competencies of students is of particular relevance.

N. to develop the theory of the effective use of modern technologies in the development of digital competencies. Winner, K.S. Laudon, O. Machlup, J.F. Neumann, M. Hammer, K. Shannon, U. Economist scholars such as Ashby have made worthy contributions.

In addition, N. Coldree and A. Powell's work conducts a multilateral analysis of the concept of the formation of a base for the use of modern technologies in the development of digital competencies, and the historical chronology of the emergence of this concept in scientific research is also shown.

### **RESEARCH METHODOLOGY**

The work includes scientific abstraction, analysis and synthesis, induction and deduction, logic and empirical methods were used.

### **ANALYSIS AND RESULTS**

Each society brings up a necessary personality for itself. It makes ethical, ecclesiastical, Professional-professional, legal and a number of other requirements based on the level and trends of its development. The ultimate goal of the development of society is also a person, his comfortable, free and safe life. Integration in the fields of Education, Culture, Science also increases the professional competence of a modern teacher tkazmoqda. So academic infrastructure based on the educational models of education in the world in recent

years: Europe, South Asia, United States having been formed, prestigious universities are conducting pedagogical activities using these educational templates. In the Republic of Uzbekistan, since 1997, a model of National Education has been created, corresponding to our national mentality. This determines the result of the level of impact of educational products and services on students in a way that the quality of teaching in the implementation of educational technologies in our country is in accordance with social order and state educational standards[3].

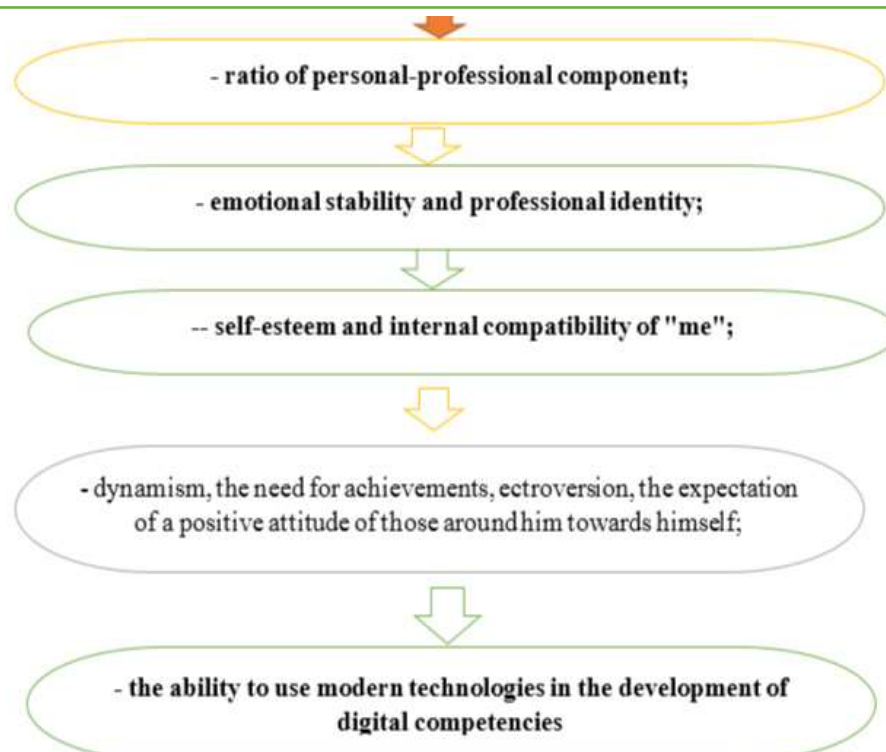
In the application of educational technologies to the educational process, it is important to study the needs and aspirations associated with the development of socio-professional erudition of the individual. In this, the quality of training is determined by the sum of indicators that represent different areas of educational activity. In particular, such as the content of education, forms and methods of training, material and technical base of the educational process, personnel composition. All this makes it possible to develop professional competencies of students in a holistic way in teaching. Historically-in content, by the beginning of the 1940s, it is possible to note its personality characteristics in studies aimed at studying the psychophysiological characteristics and psychic processes of personnel. In the last decade of the 20th century, the intensity of similar studies of personality in the framework of professional pedagogical networks, in which the main scientific approaches can be divided into two, has especially increased[4]. The first approach, which is somewhat widespread in Russian psychology, is associated with the study of individual individual pedagogical characteristics of the personnel, complex professionally important qualities in their interaction and their influence on the success of the process of professional activity. Usually researchers rely on the concept of professionally important qualities of an individual. The study of the problems of professional formation of a person is counted from the actual tasks of both fundamental and Applied Research[5]. R.Z.Under the leadership of Gaynutdinov, a number of studies have been carried out dedicated to various problems of Professional Recovery. D.N.Arzigulov's research focused on the study of pedagogical features of the stages of professional formation of students of the Agrarian University. Important conclusions that apply to other professions are the opinions that there is a statistically significant relationship between personal properties and professional qualities, which are separated at each stage of Professional Recovery[6]. At different stages of development, the priority of individual properties of an individual is expressed in their personal-professional adaptation, in which the indicator of the identification of an individual with a profession is studied. In subsequent scientific research, too, in order to solve

practical tasks, the author's conclusion that the dependence of ideas about himself during the years of study of students then interpreting his experience in practical activities makes it possible to determine the importance of their integral "I" in professional recovery. Success in professional recovery is largely determined by the factors of a positive attitude towards oneself.

Sh.G. In Saparov's study devoted to the study of the personal and professional characteristics of teachers, it is noted that their formation and development are realized in their professional activities, that is, the degree and quality of manifestation are inextricably linked to the age and seniority of teachers. The author also shows factors such as gender and the motivational basis of professional activity [7]. "The trend of a high level of need for success is manifested mainly in teachers up to 30-35 years of age with a working experience of up to 10 years. Then the need to succeed in activities stabilizes and goes at the level of average values." R.Z. In the doctoral dissertation of Gaynutdinov, it is possible to distinguish the criteria that determine the effectiveness of professional activity based on the analysis of personal properties, factors of the degree of components of pedagogical activity of the teacher.

These are:

### **CRITERIA FOR DETERMINING THE EFFECTIVENESS OF PROFESSIONAL ACTIVITY**



**Figure 1. Criteria for determining the effectiveness of professional activities[7]**

Pedagogical aspects of readiness for the choice of profession and problems of professional diagnostics K.B.The Kadyrov study is dedicated. Pedagogical training or maturity during the choice of a profession is an important factor in professional self-awareness, they help in the correct choice of a profession and are manifested in stability. It is endowed with awareness, independence and belongs to the formal-dynamic aspect of professional choice. Thus, all meaningful and formal dynamic aspects of professional selection promote the formation of a certain strategy of professional development of the individual as a whole[9].

K.B.Based on the data of the empirical part of his study, Kadyrov concludes that intellectual abilities are inextricably linked with the predisposition tendency to orientation of personality motives, etc., and are considered the basis of Professional Recovery of young people. The individual treats the environment, values, the content of the types of activities selectively, including in accordance with their mental capabilities[4].

It would be more accurate to define this, in our opinion, not as mental possibilities, but as the degree to which self-awareness reflexive processes are formed and developed if their noble interpretation is used.

As a result, the process of studying improves, the efficiency of mastering, training and training of personnel increases. Educated generation, professional personnel-this is a guarantee of the large-scale development of society.

**CONCLUSION**

In conclusion , summarizing the result of the process of using modern technologies in the development of digital competencies of students in the educational system, it is possible to insist that today's audiences are very different from ten years ago, and classrooms are equipped with computers, iPads, tablets, smart boards and other types of educational technologies. As elsewhere in the world, a new screen generation of the digital generation is emerging in Uzbekistan - TV, computer,tablet, fablet, smartphone and smartwatch. As a result of having such a developing digital environment and constant interaction with it, the thinking and information processing processes of today's students are fundamentally different from previous thought and Information Processes. The digital generation cannot be taught in the same style that our parents have learned, and it is also impossible to train students under the old education system.Today's students of the digital generation they are aware of the news every minute, and the

use of modern technologies in the development of students' digital competencies is a requirement of the self-evident period.

## BIBLIOGRAPHY

1. President of the Republic of Uzbekistan dated October 5, 2020 "digital Uzbekistan-2030 strategy approval and effective implementation of measures decree" on PF-6079. – <https://lex.uz/docs/5030957>

2. President of the Republic of Uzbekistan dated December 13, 2018 "Digital economy in public administration of the Republic of Uzbekistan, electronic additional measures for the implementation of government and Information Systems decree" on measures " PF-5598. – <https://lex.uz/docs/4103415>

3. World experience in the study of digital platforms. O'.U. Mustafakulov [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=ru&user=1Iv\\_0xsAAAAJ&citation\\_for\\_view=1Iv\\_0xsAAAAJ:TFP\\_iSt0sucC](https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=1Iv_0xsAAAAJ&citation_for_view=1Iv_0xsAAAAJ:TFP_iSt0sucC)

4. Эгамназаров М.Ю. Развитие коммуникативных способностей у студентов на основе личностно-ориентированных технологий. // Наука и образование сегодня. – Москва, 2020. №7 (54), 2020. – С. 83-84 [https://scholar.google.com/citations?view\\_op=view\\_citation&hl=ru&user=1Iv\\_0xsAAAAJ&citation\\_for\\_view=1Iv\\_0xsAAAAJ:iH-uZ7U-co4C](https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=1Iv_0xsAAAAJ&citation_for_view=1Iv_0xsAAAAJ:iH-uZ7U-co4C)

5. Egamnazarov M.Yu. Formation of communicative competence of future specialists on the basis of personal oriented approach. // European Journal of Research and Reflection in Educational Sciences. Vol. 8 No. 9, 2020. – P. 168-171

6. Egamnazarov M.Yu. Internal and external motives affecting the student's personality based on personcentered technologies. // Middle European Scientific Bulletin, Volume. 11 April 2021. – P. 93-96

7. O'.U. Mustafkulov .Internal and external motives affecting the student's personality based on personcentered technologies.

[https://scholar.google.com/citations?view\\_op=view\\_citation&hl=ru&user=1Iv\\_0xsAAAAJ&citation\\_for\\_view=1Iv\\_0xsAAAAJ:HDshCWvjkbEC](https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=1Iv_0xsAAAAJ&citation_for_view=1Iv_0xsAAAAJ:HDshCWvjkbEC)

8. D.Babarakhimova, scientific issues of the application of Information Technology in the educational system; volume 6 No. 3 / 2022 <https://bestpublication.org/index.php/pedg/issue/view/81>

[/https://scholar.google.com/citations?view\\_op=view\\_citation&hl=ru&user=xYPVsj4AAAAJ&citation\\_for\\_view=xYPVsj4AAAAJ:KIAtU1dfN6UC](https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=xYPVsj4AAAAJ&citation_for_view=xYPVsj4AAAAJ:KIAtU1dfN6UC)

9. D.Babarakhimova, continuing education in improving the competence of teachers in the field of ICT: problems and some solutions

<https://unionedu.ru/index.php/use/issue/view/1>

[https://scholar.google.com/citations?view\\_op=view\\_citation&hl=ru&user=xYPVsj4AAAAJ&sortby=title&citation\\_for\\_view=xYPVsj4AAAAJ:KIAtU1dfN6UC](https://scholar.google.com/citations?view_op=view_citation&hl=ru&user=xYPVsj4AAAAJ&sortby=title&citation_for_view=xYPVsj4AAAAJ:KIAtU1dfN6UC)