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THE PROCESS OF TRAINING TEACHERS OF TECHNOLOGY EDUCATION IN THE CONTEXT OF THE INTRODUCTION OF DIGITAL TECHNOLOGIES INTO EDUCATION

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Abstract
The article highlights the problems of the learning process of teachers of technological education at the level of the introduction of digital technologies into education, as well as some considerations on how to solve it.

Keywords: Digital economy, digital technologies, digital education, digital skills, digital transformation, computer literacy in modern information and communication technologies, electronic government.

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Introduction

In our country, comprehensive measures are being implemented for the rapid development of the digital economy and the widespread introduction of modern information and communication technologies in all sectors and areas, primarily in public administration and education. In particular, the implementation of more than 220 priority projects to improve the electronic government system, further develop the local market for software products and information technologies, establish IT parks in all regions of the republic, and provide qualified personnel to the sector has begun.

Decree No. PF-6079 of the President of the Republic of Uzbekistan dated October 5, 2020 “On approval of the Digital Uzbekistan-2030 Strategy and measures for its effective implementation” defined the task of developing the digital economy in our country on the basis of digital technologies improve technologies.

Building on this, the decree on the development of digital education:

From January 1, 2021, the system will be introduced to cover up to 50% of the cost of obtaining international IT certificates by citizens in the areas of systems management, database and "cloud" platform management, information security and other areas of high demand ;

By September 1, 2021, the opening of digital technology training centers for a wide population, especially young people and women, based on existing infrastructure facilities in each district and city;

By the end of 2023, tasks such as the gradual establishment of more than 200 technical schools for in-depth teaching of computer science and information technologies on the basis of existing

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educational institutions for the creative development of students and learning the basics of computer programming are planned in all districts and cities.

All of these were among the necessary tasks for the introduction of digital technologies in the education sector.

There are a number of tasks waiting to be solved when preparing teachers for technology teaching by introducing digital technologies in the classroom.

1. To improve teachers' digital skills in technology education, the following activities need to be carried out:

- Popularization of information technologies among students and young people and development of skills in using digital technologies among future teachers of technology education;
- Development of students' computer skills, including skills for working on the Internet, in the global information network, using a single interactive portal of public services and other technologies;
- to create conditions for programming teaching in order to train highly qualified technology teaching teachers who can use digital technologies;
- to close the gap in the level of digital skills, ensure the active participation of future teachers of technology education in the system of the vertical management training model in the specialized training centers established in all regions of the republic, etc.

2. In order to improve digital skills in education, the following measures will be implemented:

- To create opportunities for the acquisition of digital skills, the development of analytical and critical thinking, and the provision of knowledge and skills in the conditions of large-scale digital transformation that will be necessary in the future, by providing technology education teachers who will develop in the future are, digital technologies are provided to the advanced level of education;
- to continuously improve the curricula of subjects taught in educational institutions in order to increase the general level of use of digital technologies for future technology education teachers;
- Introduction into the education system of highly effective international practices for organizing courses in the field of technological professions and innovative activities;
- Organization of laboratories for the application and research of the “Internet of Things”, robotics, artificial intelligence technologies, as well as the use of foreign experience in training future teachers of technology pedagogy;
- Digitization of teaching materials in education by studying and supporting the unified state requirement for the use of digitization formats for paper-based materials;
- Development and promotion of scientific and research work in the field of digital technologists to train technology educators, improving their organizational mechanisms;
- Formation of qualifications for the organization and implementation of republican competitions and events promoting the creation of ideas and new technologies, etc.

In order to positively solve the above-mentioned tasks that await solution in the preparation of technology teachers through the introduction of digital technologies into the classroom, a number of requirements are imposed on the technology teacher:

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1. Openness and flexibility to the strict requirements imposed on the content and quality of secondary general education and the educational process based on the socio-economic reforms carried out in society.
2. To be able to adapt the requirements of state educational standards to international requirements for the quality of education and personnel training, to design the educational process accordingly and to be able to fully ensure the implementation of these DTS.
3. To be able to effectively use the experience in setting standards in the educational sphere of developed foreign countries, taking into account national characteristics and the reforms carried out in the country.
4. The ability to comprehensively introduce into the educational process effective forms, methods and means of educating students based on universal, national, universal and spiritual values.
5. To have high knowledge, high skills and qualifications in the application of educational and modern information and communication technologies to ensure the effectiveness and efficiency of the educational process [3; 17-18] and others.

In line with the progress of science and technology, the purpose of education is changing and renewing, including technology education, which is its foundation. The main goal of technical science is to apply to students the knowledge, skills and qualifications acquired in practical activities in the technical-technological process, to orient them to the profession and to develop the ability to enter into social relationships based on national and universal values. The necessary conditions for the realization of this goal are created and at the same time the following problems are effectively solved.

Full implementation of modern methods and directions of extracurricular and extracurricular education in technology, digital technologies and modern methods, educational process in training students and ensuring their employment, full implementation of innovative pedagogical and modern information and communication technologies to ensure their effectiveness and efficiency need, the To accelerate the creation of new, modern generations of educational literature in the field of technology and its application in the educational process, etc. [5; 13].

Due to the positive solution to these tasks, there is no doubt that the process of training teachers for technology lessons is being effectively implemented through the introduction of digital technologies into education.

References:

1.O‘zbekiston Respublikasi Prezidentining 2019 yil 8 oktyabrdagi “O‘zbek-iston Respublikasi oliy ta’lim tizimini 2030 yilgacha rivojlantirish konsep-siyasini tasdiqlash to‘g‘risida”gi PF-5847-sonli farmoni.
2. O‘zbekiston Respublikasi Prezidentining 2020 yil 5 oktabrdagi Raqamli O‘zbekiston-2030” strategiyasini tasdiqlash va uni samarali amalga oshirish chora-tadbirlari to‘g‘risida”gi PF-6079 sonli farmoni.

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webofjournals.com/index.php/1
Licensed under a Creative Commons Attribution 4.0 International License.

3. Avazbayev.A.I. Ta’lim tizimini modernizatsiyalsh sharoitida Texnologiya o’qituvchisiga qo’yiladigdn zamonaviy talablar. Xalq ta’limi. Ilmiy-metodik jurnal. 4-Maxsus son 2020 yil. 12-18 betlar.

4.Avazbayev.A.I. OTMlarda “Texnologik ta’lim” jarayonini kredit-modul tizimi asosida tashkil etish tamoyillari. “Texnologiya fanini o‘qitishda uzviylik ya uzluksizlikni ta’minlash muammolari” Respublika ilmiy-amaliy konferensiya materiallari to‘plami. (2021yil 31 may, Toshkent).32-35 betlar.

5.Avazbayev.A.I. Raqamli texnologiyalar sharoitida texnologiya fanini o‘qitishning muammo va yechimlari**.** Belarus-O’zbek Ilmiy-metodik jurnal 2023-yil 5-son 12-17 betlar.

6. Avazbayev.A.I. Basing the tasks of technology education in the condi-tions of new development of Uzbekistan, the content of its educational materials. Submission Date: June 02, 2023, Accepted Date:June 07, 2023, Published 12, 2023 Crossref doi:https://doi.org/ 10.37547/ijasr-03-06-07.

7. Турсунов С.Қ. Таълимда электрон ахборот ресурсларини яратиш ва уларни жорий қилишнинг методик асослари. Монография. -Т.: Адабиёт учқунлари, 2018.

8. Копытова Н.Е., Лоскутова В.И. Использование дистанционных техно-логий в повышении квалификации педагогических кадров // Вестник Тамбов-ского университета. Серия: Гуманитарные науки. – 2014.- №9(137). – С.38-42. URL: https://elibrary.ru/item.asp?id=22289245

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