# ANALYSIS OF THE POSSIBILITIES OF USING DIGITAL TECHNOLOGIES IN EDUCATIONAL PROCESSES: TECHNOLOGICAL EDUCATION

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**Abstract**
Today, no industry can be imagined without information technologies, computers, and programmed systems. Digital innovative technologies, which are considered an important factor of development, are being effectively applied to the education system, as in all fields. The main goal of this is to ensure the open and transparent activity of the sector, to introduce qualitatively effective mechanisms of education in our country. Because globalization processes in the information space are rapidly increasing, the demand for using new opportunities and sources of knowledge in the cyber world is increasing. In recent years, consistent measures have been taken to effectively implement the advanced achievements of international experience. The article describes the possibilities and importance of digital technologies in the organization of educational processes in the field of technological education.

**Keywords:** technological education, digital technology, digital economy, design, QR code, strong integration of technologies.

In the Address of the President of the Republic of Uzbekistan to the Oliy Majlis, it is necessary and necessary to acquire digital knowledge and modern information technologies to achieve progress and increase the quality of services, as well as reduce excess costs, and increase efficiency, in a word, it is possible to dramatically improve people's lives [1-3].

The tasks of developing and implementing the "Digital Uzbekistan - 2030" program, which envisages updating all sectors of the economy based on digital technologies, have been determined. This creates more opportunities for the modernization of the leading branches of industry and strengthening of competitiveness, the introduction of advanced technologies in the field, the establishment of high-tech enterprises, technological parks, production enterprises, and the establishment of modern engineering and communication infrastructures [4-7].

Today, forming the necessary skills for studying, living and working in an industrialized country among students studying in the field of technical education in the higher education system is - becoming an urgent issue.

Information and communication technologies have changed society in the last 30 years. At the same time, large labour migration, underdeveloped social infrastructure, high level of poverty

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and unemployment, outdated infrastructure, incompatibility of personnel competencies with the strategic goals of economic development, problems of intellectual property protection, limited opportunities for higher education, high technology and science-based production lack of development, lack of necessary investment in human capital and image, lack of qualified employees, low level of qualification of middle management and employees, lack of motivation for work among workers, the decline in the reputation of labour and engineering-technical professions [8-11].

The quality of training of teachers and pedagogues in the field of "technological education" in higher educational institutions does not meet today's requirements, it is necessary to radically revise and update the teaching of technological sciences following the needs of the times. :

− Insufficiently developed scientific-methodical support in the field of technological education;

− That the material and technical base of technological education is outdated, not equipped with modern equipment and technologies, and proposals for taking sufficient measures to provide funds from the budget have not been developed;

− Based on international experiences, the introduction of advanced standards of higher education, including the step-by-step transition from education focused on acquiring theoretical knowledge to an educational system focused on the formation of practical skills in technological education curricula that carelessness is allowed in the teeth;

− Raising the content of technological education to a new level in terms of quality, not improving the quality of training of highly qualified personnel who can make a worthy contribution to the sustainable development of the social sphere and economic sectors, and who can find their place in the labour market;

− Non-establishment of technopark, foresight, technology transfer, start-up, accelerator centres for the development of technological education at the expense of wide attraction of foreign investments, expansion of the scope of paid services and other non-budgetary funds;

− The fact that the regulatory and legal documents in establishing mutually beneficial cooperation of education with production enterprises and scientific-research organizations are out of date, and the step-by-step coherence is not ensured in the programs developed for cooperation;

− Failure to develop recommendations based on the improvement of educational programs and the introduction of modern pedagogical technologies;

− Lack of mechanisms that serve to increase the effectiveness of educational methods used in education;

− Non-development of new forms of cooperation and non-existence of joint educational programs;

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− That work has not been fully implemented based on the study of advanced foreign experiences on the evaluation and improvement of the effectiveness of technological education.

It is desirable to implement the following measures to introduce digital technologies and modern methods into the educational process of training future teachers of technological education [12-18]:

− Ensuring the solid integration of modern digital technologies and educational technologies, creating additional conditions for the continuous development of the professional skills of pedagogical personnel in this regard;

− Individualization of educational processes based on digital technologies;

− To create a system of placing information about educational-methodological complexes in the field of science using qr-code to download and copy electronic educational literature on technological education to mobile devices;

− Organization of distance education programs based on modern information and communication technologies;

− Use of platforms (such as hemis, and moodle) that allow online monitoring and learning of theoretical and practical training, as well as uploading them to electronic information storage devices, as well as innovative technologies in educational processes;

− Placement of educational-methodical complexes, electronic educational resources developed following the technological education system in the electronic library system that allows remote access, and expands the possibilities of their use;

− To gradually increase the weight of electronic resources in the educational process, to create electronic educational literature, to create a system for posting information about electronic resources using qr-code in order to download them to mobile devices;

− Based on the uniqueness of technological education, the development of the use of modern software products that are widely accepted at the international level in the educational process.

The requirements for the organization of educational processes based on digital technologies in pedagogic higher education institutions include the technological nation of this process, that is, the separate design of each stage of the entire educational process, the clarification of the teacher's goals and the tasks of students, education The correct choice of education methods makes it necessary to predetermine the expected results from the training. To achieve this goal, it is emphasized that it is appropriate to pay special attention to the following:

−Improvement of teaching forms, educational technologies and methods in cooperation between teachers and students;

−Development of teacher's professional-pedagogical knowledge and professional culture;

−To create favourable didactic situations in the educational process based on cooperation;

−Development of the teacher's possibilities of designing the pedagogical process in the educational process based on cooperation;

−Organization and management of the educational process based on the teacher's design.

Based on the above points, it can be said that the organization of educational processes based on digital technologies in the direction of technological education in pedagogic higher education institutions, firstly, students' mastery of information and communication technologies, and secondly, the use of acquired knowledge in practice. to receive; thirdly, it creates an opportunity to form independent thinking with the help of acquired knowledge and skills.

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