



# **DIGITAL TECHNOLOGIES TO BE TEACHERS AS AN EDUCATIONAL TOOL IN PREPARATION FOR PROJECT ACTIVITY**

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## **Abstract**

Higher education digital in their works technologies education based on The organization of processes, increasing the competence of future specialists in working with digital technologies in the educational process is a pressing issue. The article presents educational considerations for preparing future teachers of technological education for project activities based on digital technologies.

**Keywords:** Technological education, digital technology, project, project activity.

## **Introduction**

The training of competitive modern specialists is of great importance for the socio-economic, spiritual - educational and intellectual renewal of our republic, its full integration into the world economy . In this regard, fundamental reforms are being implemented in the higher education system. Due to this, our Republic has been able to meet the requirements of international standards, in a digitalized society Preparing innovative and capable personnel for reliable activity is an important task for the higher education system, and solving this issue has long been raised to the level of state policy [1].

“Concept for the Development of the Higher Education System of the Republic of Uzbekistan until 2030”, one of the important tasks of the National Program is “... the current use of methodologies and technologies aimed at strengthening competencies in the educational process ”It is necessary to focus the educational process on the formation of practical skills, and in this regard, to widely introduce advanced pedagogical technologies, curricula, and teaching and methodological



materials based on international educational standards into the educational process”.

Information and communication technologies are information and communication services in educational and industrial facilities. The term “information and communication” refers to the active use of information technologies in all these areas. While in the economy, material goods are the main resource, in digital technologies this refers to information data that is processed and transmitted [2]. Ramention technologies are a modern way of doing business in which digital information is used as the basic fact of production and management. It serves as a visual representation of large data sets and the process of processing them.

World education shows that higher education institutions of all developed countries have already begun to shape it. This process is also accelerating in our republic. The following important task of information technologies is considered urgent: namely the gradual automation of the current process and the preparation of students for the use of modern technologies. However, in this process, much information is transferred to digital format, stored in electronic form, and information security issues are resolved. In this regard , it is necessary to pay attention to organizing educational processes based on digital technologies in pedagogical higher education institutions, and to improving the competencies of future specialists in working with digital technologies in the pedagogical process. Over several years, To prepare future teachers of technological education for professional activity based on digital technologies in pedagogical higher education institutions in preparation The requirements for organizing educational processes require the technologization of this process, that is, the separate design of each stage of the entire educational process, the teacher [3]. We believe that clarifying the goals and objectives of students, choosing the right teaching methods, and determining the expected results of the training in advance can sufficiently ensure the effectiveness of training . It is emphasized that in order to implement this prediction, it is necessary to pay special attention to the following:

- improve teaching methods, educational technologies and methods in collaboration with teachers and students;
- teacher’s professional and pedagogical knowledge and professional culture development,
- creating favorable didactic situations in the learning process based on creativity;

- the teacher's opportunities to design the pedagogical process in a learning process based on creativity development;
- teacher to design based on education process organization to grow and management [4].

The pedagogical and psychological foundations of preparing teachers of technological education for project activities are formed in the educational process and are used in the organization of the educational process. project activities are taken as a basis. Along with this. In the process of defining a methodology for solving wide-ranging professional problems, the provision of project stages with digital technologies is also of great importance.

in this area suggest that the preparation of future technology education teachers for project-based activities using digital technologies should be carried out in the following stages:

- BTTO project f ao лятиг a of preparation search - search b o string;
- BTTO project f ao лятиг a of preparation c o nstructural - t e x n o l o g i c a l b o string;
- BTTO project f ao лятиг a preparation methodology current to grow string one of the stage essence-content We will explain below.

**The research and selection stage of preparation for the implementation of the BTTO. This stage** is intended for the first academic year of students of technological education, this Basically, the direction of the project is determined and its problem is analyzed; the topic of the project is selected; information related to the topic is collected, the information is studied, processed, and analyzed. is done; project to practice increase is planned. Project direction and when choosing a topic that is being studied , the students interest in science, worldview and to know abilities are taken into account. The project proposal includes the following: the goal set by the project; its relevance; information sources (mass media, databases, electronic information, interviews, questionnaires, etc.); information processing (analysis, generalization, comparison of evidence, substantiated conclusions), result (article, abstract, report, portfolio, video material, etc.), presentation (publication, networking, discussions in teleconferences and webinars, etc.) [5].

**The implementation of the BTTO stage.** At this stage , the project is problem a convenient solution is sought; design requirements are taken into account and design options are studied; achievement in the direction being designed and



deficiencies are analyzed; organized according to the project. The work carried out and the manufactured products are examined, the project technology is developed; intellectual property is developed; design and technological documentation of the project is drawn up. At the same time, technological processes are formed, A project implementation plan is being developed. R e polished technological operations are performed; necessary tools, equipment, materials and equipment are selected; the processes being designed are analyzed. To achieve this goal, changes can be made to the design and technology to achieve even better results. In this regard, it is appropriate to dwell on the following main features of the design process: forecasting, planning, modeling. To make a prediction is to make a preliminary guess about information that needs to be determined based on certain information (information). Planning is the act of putting together a plan or project for something, and the plan is "a plan that is prepared in advance for a common purpose to be carried out in a unified manner. " thinking placed actions, events to fulfill demand leading intention, project, Modeling is the study of objects of research and their models, as well as the creation of the required models of things and phenomena [6].

**Introduction of the methodology for preparing the UNCT for the implementation of the UNCT stage.** This stage of the research The decisive step is calculated, so no error can be made. This is a The effectiveness of research should be reflected in tangible results. For this, the activities of the UNCTAD in the process It is necessary to have the skills and qualifications to use and correctly use computer systems and automated design systems based on digital technology. These automated design systems and trainings conducted on the basis of computer-aided systems based on digital technologies provide the opportunity to deliver a large amount of information to students in a short time. Students will have access to high-quality and meaningful information, the opportunity to use inter-subject (inter-disciplinary) integration, simulation, visualization, and virtualization resources. During online classes, video and audio equipment and modern computers are used [7]. Depending on the results of online classes, students are given additional information on the subject, some Corrections are made. This ensures that the goal set in the study has been achieved. The results of our research provided us with the basis for the formation of methodological conclusions. The development of innovative technologies and the



training of future teachers of technological education are an urgent issue of social importance . It mainly includes the following factors:

a continuous sequence the stages of designing training courses in specialized disciplines in the training of teachers of technological education ;

The pedagogical foundations of shaping and implementing digital technologies in the professional training of teachers of vocational education in the field of technology education to work out;

r a sad from technologies in practice of use methodology them first of all conducting an examination and editing (making corrections) if necessary;

Prepare, reproduce, distribute, and demonstrate the practicality of software tools and manuals for users of advanced technologies . to follow up regularly .

Conclusion Instead , it can be emphasized that it would be more appropriate to formulate the main ideas and directions of training future technological education teachers based on digital technologies as follows:

the main components of information technologies and their dynamic development in line with the development of society;

raster to scientifically and methodologically substantiate the basic principles of training; The interconnection of subject blocks in the curriculum for the professional training of future teachers of technological education based on advanced technologies clarifying the laws ;

raster theoretical and methodological preparation to work out the basics;

a) to provide an opportunity to create educational and educational-informational resources that reflect the methodological approaches and financial developments of higher education institutions, ensuring the improvement of the educational process, in particular, the training of future teachers of technological education;

My education in institutions digital technologies basically will be technological improving the training of teachers to act in pursuit of optimal options. That is , digital technologies basically will be technological education teachers positive results achieved in training, the conditions created for the quality of education, and opportunities them project planning to the activity preparation direct advanced effective use of methodologies request enough.



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