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## FUTURE VOCATIONAL EDUCATION TEACHERS COMPUTER POSSIBILITIES OF PREPARATION FOR MODELING AND COMMUTER THE INTEREST OF THE INDIVIDUAL IN DESIGNING

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### ABSTRACT

Future professional education models of the possibilities of preparing teachers for computer modeling, the ability to use algorithm operation systems in a new way, and the study of the interest of a person in commuter design.

### KEYWORDS

Education, pedagogy, information, motive, motivation, motives, algorithms, operation, systems.

### INTRODUCTION

As indicated in the resolution of the president of the Republic of Uzbekistan PP-3832 dated 03.07.2018 "on measures for the development of the digital economy in the Republic of Uzbekistan", the digital economy operating on information and technological platforms is developing rapidly, which necessitates the creation of new models of such platforms".

Currently, all educational institutions in the field of professional education organize classes on the use of information tools. At the same time, the scope of use

of such educational activities in the field of education is increasing. The main reason for this is that there is an increased demand for sufficient media in society today.

The main results and findings

This need is due to the rapid development of computer technologies and communications, the involvement of information technologies in almost all areas of the social sphere and the need to effectively use them in the way of solving socio-economic problems.



Informatization of education, one of the main tasks of universities in the near future is to train graduates who are well versed in the techniques and methods of working in the conditions of using new information technologies.

As a result of increasing pedagogical capabilities, the use of modern technologies in teaching, including electronic software products, multimedia applications, has been established. Computer teaching methodology, which is considered effective in realizing the educational purpose of information from electronic sounds, images, text manifestations, has entered education. The importance of such a methodology of teaching is visible in the following psychological states of the student in the cognitive process:

when concentrating;

- in expanding the perception of information;
- in the subject of study, increased interest in the lesson and voluntary assimilation of knowledge;
- in the active introduction to research, creativity and independent activity;
- in self-assessment in relation to other students.

In turn, computer training in the activities of the teacher: in the correct distribution of working time; in ensuring that the content and essence of the educational material is bright and convincing; in increasing the scale of the information provided; in expanding the types of educational assignment; in creating a healthy competition, creative environment; is considered significant in the regular improvement of professional

Another important feature of the computer teaching methodology is manifested in the verification of all stages of the teaching process, including the explanation, repetition, generalization of new teaching materials, the knowledge, skills and abilities that the student (listener) has acquired in the subject.

In such processes, the computer performs various tasks for the student, in particular, such functions as a pedagogical, educational tool, educational object, interaction partner. At the same time, the advantages in the organization of knowledge assessment and monitoring of their compliance with relevant standards and requirements caused its widespread introduction into the training system. The integration of communication systems and computer technology has led to a high peak in the possibilities of Information Technology, in which the methods and means of searching, collecting, storing, processing and using information by humans are calculated

It is important that local networks of the computer, and then regional and global (international) networks, the creation of network devices that provide their work, the creation of information systems designed to perform tasks such as receiving, transmitting, storing large amounts of information and quickly searching for the required information.

Research and analysis of the preparation process for training future specialists in the use of Information Technology shows that in the framework of preparation for the use of Information Technology, researchers use Autosad (this is a computer-aided design program with which architects, engineers and builders create clear 2D and 3D drawings.), Solidworks (software complex for automation of the work of an industrial enterprise at the stages of design and technological preparation of production), inventor (3D parametric design system designed to create digital



prototypes of industrial products of Autodesk.) and while performing billing work for engineers Mathsad I MathLab (a computer algebra system in the class of computer-aided design systems aimed at preparing interactive documents with computing and visual support is distinguished by Ease of Use and application for teamwork.), which is preparing for the use of an automated design system, such as the "design system".

Professional education it is impossible to carry out the activities of a teacher without the use of tools aimed at solving problems related to the profession with the help of Information Technology.

Within the framework of methodological work and production and technological activities, it is the modeling of professional activity in the educational process using a computer as a research tool: conducting lecture sessions using presentations, video and audio clips; conducting virtual laboratory work, modeling structures using an automated design system (Alt); carrying out research work within the framework of scientific research work, processing and presenting and organization of work-Personnel Training using two-and three-dimensional computer models with links

An analysis of approaches aimed at organizing training on the use of Information Technology has shown that some researchers

in the formation of the competence for working with information, it is believed that the study of the subject "Informatics" is sufficient, while other researchers recommend introducing a system of continuous training on the use of Information Technology, which proceeds throughout the entire professional training process.

And we support the second reasoning, because the future professional education is not enough to study "Informatics" in the preparation of teachers on the use of Information Technology.

## CONCLUSION

When preparing them for the use of information technologies, it is possible to familiarize yourself with the interface of Operational Systems, Software, general-purpose application programs, integrated software systems, as well as digital methods for solving problems related to the profession. The training of a teacher of professional education in the use of information technologies requires the acquisition of versatile knowledge and skills, such as the use of packages of practical programs on information systems for special purposes and the further development of the competence of specialists in specific types of professional and pedagogical activity to work with information.

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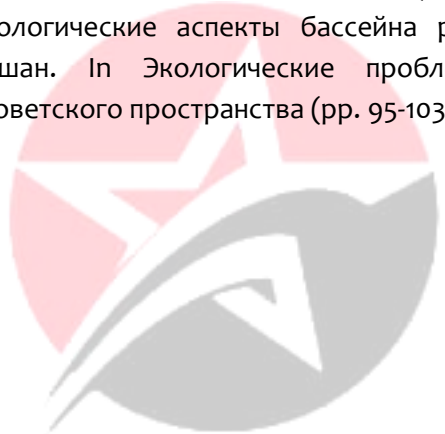
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