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THE IMPACT OF SIMULATION TECHNOLOGIES ON THE QUALITY OF TRAINING OF FUTURE SPECIALISTS IN COLLEGE

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Abstract

This article reveals the issues of the influence of simulation technologies on the quality of training of future specialists, presents the main methods and techniques used in colleges for the formation of professional and general competencies. The necessity of research of modern innovative forms and methods in solving the problems of upbringing and education of a future specialist is proved.

Keywords: *professional education system, simulation technologies, general competencies, professional competencies, extreme competencies*

Introduction

The rapid reform of the education system, the development of science, technology and technology in Uzbekistan is one of the priorities, namely, the improvement of the activities of all components of the education and upbringing system based on modern labor market requirements, namely, the improvement of the content of education and the creation of safe working conditions for a specialist.

Future specialists who are trained in the walls of the college in their work successfully apply the former professional and general competencies. The student is always trained under the guidance of an experienced master according to a previously prepared technological map and instructions. In the training workshops, all conditions have been created to ensure the safety of students' learning, but starting their work in the workplace, a student may have a number of difficulties that mentors will help solve. It is important to note that the student should also be able to apply the acquired skills and abilities as much as possible in a vocational educational institution to create a safe environment. It is for this reason that our research is aimed at the formation of primary competencies of human life safety within the framework of general competencies through the use of simulation educational technologies.

Literature analysis and methodology

The foundation of modern simulation technologies is evidence-based principles and scientific approach. The formation and dynamic development of all elements of simulation technologies opens up a number of prospects in the future, among which the

following can be noted: highly realistic simulation of touch; integration with related visualization systems; development of virtual world's technologies, etc. The use of one or another type of simulation technology depends on the stage and form of classes, as well as on its purpose. So, simulation technologies come in different types. According to the level of realism, they are classified into visual, tactile, reactive, automated, hardware, interactive and integrated (Possibilities of simulation technologies).

The use of one or another type of simulation technologies in the system of professional education depends on the form of classes from the course in which students are trained, and on its purpose. So, we have divided simulation technologies into several classes:

- Visual,
- Tactile,
- Interactive.

It should be noted that from the point of view of the professional activity of each specialist, the situation is a set of interrelated facts, phenomena and problems that characterize a specific period or event in the activity and require appropriate solutions or other active actions.

The method of analyzing specific situations consists in studying, analyzing and making decisions on a situation that has arisen as a result of events that have occurred or may arise under certain circumstances in a particular organization at one time or another. Analysis of a specific situation is a deep and detailed study of a real or artificial situation, performed in order to identify its characteristic properties. This method develops students' analytical thinking, a systematic approach to problem solving, allows them to identify options for correct and erroneous decisions, choose criteria for finding the optimal solution, learn to establish business and professional contacts, make decisions in difficult circumstances. Eliminate conflicts.

Results

It is for this reason that the priorities of simulation technologies in training and preparation for work are imitation of the processing process, where students can understand, imagine and see all the main stages of the implementation of their competencies to analyze and use in the future in independent activities.

The use of simulation technologies in vocational education is an effective means for the formation of competitive specialists and is currently a need of the emerging modern society, the role of simulation technologies has been increasing more and more recently, and simulation training is being increasingly introduced into the educational process. Competent integration of practical work and simulation technologies of vocational training allows future specialists to develop professional competencies, improve the level of training of students of teachers of vocational training, which necessitates their further implementation in the process of studying professional disciplines

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