

## **DIDACTIC ASPECTS OF THE DEVELOPMENT AND APPLICATION OF ELECTRONIC SIMULATORS IN THE PROCESS OF PREPARING FUTURE TEACHERS**

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### **ABSTRACT**

In the conditions of informatization of modern society and education as one of the priority areas of public life, such training is of great importance, transforming the educational system and stimulating the search and development of new models of personality-oriented learning, taking into account the individual educational trajectory of students. Development, creation and subsequent implementation of innovative electronic educational teaching aids in the educational process, one of which is the simulator considered in this study. Their functions and opportunities for the formation of professional competence of future teachers are revealed. The article reveals the didactic aspects of the development and use of electronic educational simulators in the process of training future teachers at a university. The functionality of an electronic educational simulator is disclosed, which includes automatic generation or selection by a teacher of a sequence of tasks of the same type for better working out and mastering skills on a particular topic, providing the student with consultations with the teacher or the availability of a standard sample solution, analyzing student performance as part of working with the simulator. The simulators developed are focused on expanding the base of additional tasks used to improve strategies for completing test tasks. The main tasks that are solved with the help of simulators are the theoretical training of students, the development of practical skills and knowledge by them, as well as their testing and testing.

**Keywords:** Professional competence, databases, simulator, computer training programs, electronic educational simulator, feedback.