ASSESSMENT OF STUDENTS' KNOWLEDGE BASED ON THE "AIREN" TESTING COMPUTER PROGRAM

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ABSTRACT: The possibilities of computer tests developed in the Airen system are considered. The main types of test tasks in the system are outlined: tasks with the choice of one or more answers, tasks with entering an answer, tasks for matching, ordering and classification. It is shown that the Airen system is a powerful tool in preparing tests and conducting tests. The process of preparing tests in the Airen system is considered in sufficient detail.

KEYWORDS: Knowledge control, training test, testing program, "Airen" software package.

INTRODUCTION

Monitoring the knowledge, skills and abilities of students is one of the main elements of the educational process. The degree of students' assimilation of educational material is the main goal of test control, which allows the teacher to flexibly and continuously manage the learning process [2].

The current problem of improving the educational process as a whole also implies improving control in computer science teaching. Speaking about the discipline "Information technologies in art", it should be noted that the main component of the content of training in it is not so much knowledge as skills and abilities. One of the ways to solve this problem is the introduction of modern computer technologies into the educational process, since their use in education increases the efficiency of learning and the quality of the knowledge, skills and abilities being formed.

Let's consider the features of testing using modern computer technologies, in particular, using the Airen testing program. "Iren" is a free program that allows you to create tests to test knowledge and conduct testing both on a local network and via the Internet or on single computers. The name comes from the abbreviation IREN (Interactive Remote Education Network), which originally referred to a platform intended as a basis for the development of a wide range of network programs on educational topics. Subsequently, the testing system built on this platform began to be called the same [3].

Before students can take the test, they must be registered - their information must be entered into the program database. This information includes the test taker's last name, first name and patronymic and his password to log into the system. Only the last name is required; the remaining

fields are optional. In addition, each test taker must be part of a certain group. Groups registered in Airen may correspond, for example, to university academic groups.

Tests created by the teacher can include tasks of various types: with the choice of one or more correct answers, with entering the answer from the keyboard, with matching, with ordering, with classification. During network testing, the teacher sees detailed information about the success of each student on his computer. At the end of the work, this data is saved in an archive, where it can later be viewed and analyzed using the tools built into the program.

Let us dwell in more detail on the types of test tasks. Types of test tasks - tasks with a choice of one or more answers, tasks with entering an answer, tasks for matching, ordering and classification - allow you to choose the wording of the test question that is most adequate to the teacher's goal and the meaning of the question. Thus, a question with a choice of one correct answer allows you to accurately separate the desired situation from all others, and a question with a choice of several correct answers shows the variability of the task. Classification questions are very convenient in some situations. With their help, one question can stimulate the solution of several similar problems at once, a comparative analysis of which leads to a new level of knowledge of the subject. Using matching questions, you can encourage students to study the theoretical aspects of computer science and control this process.

The Airen program provides the ability to directly insert formulas typed in the MathType editor (for Windows) or insert formulas as OLE objects (for Linux). This is convenient when preparing a training test, since it does not limit the teacher when formulating the task.

In general, the system is a fairly powerful tool in preparing tests for various purposes and in conducting testing. The system is easy to install and run. It is possible to add test results to the journal and print it. A random sequence of questions within a test module is possible. It is possible to complete the test with any number of questions passed and graded based on the actual number of answers; it is possible to limit the time for completing the test. The information of test modules and logs is protected from unauthorized access.

Another positive feature of testing using the Airen program is its widespread use, ease of creation and use. Test tasks are created once and can be used multiple times. If necessary, the teacher can easily make changes to the wording of assignments, add or delete individual assignments. At the same time, learning resources are saved, since there is no need to create printed materials each time to test students' knowledge. Thus, computer testing acts as a tool for managing the educational process: it makes it possible to analyze and exercise full control over the learning process.

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