MODELS FOR THE DEVELOPMENT OF TEST MODULES IN EDUCATION MANAGEMENT SYSTEMS (LMS)

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Abstract

LMS is a learning management and tracking system for blended learning. The acquisition of an LMS by an educational institution is to create an enabling environment for the control and management of all forms of education. The article explores the role of LMS in organising online classes.

Key words:

LMS , e-learning, assessment, multimedia tools, LMS Moodle.E-learning - e-learning

The fundamentally new opportunities offered by e-learning - learning using the Internet and multimedia - have long been beyond doubt, and for the first time this term was used in the fall of 1999 at a CBT Systems seminar in the USA. The term e-learning is often confused with distance learning, but these are not equivalent concepts. Yes, it is difficult to organize distance learning without e-learning, and it is e-learning that creates all the conditions for effective distance learning of educational content. But these are not synonyms. E-learning can be used both in teaching directly remotely (remotely) and in face-to-face classes (lectures, laboratory and practical exercises).

At the same time, an electronic component always becomes a mandatory component in the learning process using e-learning (this can be, for example, a module, a simulation, a systematic course or tests). Electronic components help to master the educational content, support the interaction of the student with the teacher or trainer, create real simulations for the formation of certain skills and abilities (for example, performing service operations or regulations).

Internet technologies were introduced into the educational process in stages:

At first, the WWW simply appeared in training as an alternative to paper (for studying information) and e-mail (for communication).

Later, video communication was connected to the training (both conferences and recordings). Then electronic boards appeared, allowing you to edit texts, upload documents, images. Many boards began to support communication between students and teachers.

A fundamentally new stage was the time of the emergence of virtual learning environments - Virtual Learning Environments. With the help of them, it became possible to manage the educational process, educational content and monitor the progress of learning.

At the same time, the management systems LMS and LCMS stood out in Virtual Learning Environments.

LMS (Learning Management System) is a repository of educational materials - video lessons, lectures, presentations, books and courses, which can be accessed from any device anywhere in the world.

The abbreviation consists of three words:

Learning - to teach. With the help of LMS, you create a unified database of e-courses and training materials. Such a base is a real storehouse of knowledge on your topic. Thanks to it, you preserve and increase the internal expertise of the company.

Management - management. The training is managed by an administrator. He assigns courses and tests to users, checks homework.

System is an electronic system. LMS checks the tests for you and records how long each user studied. The system generates these data in the form of a summary report to make it easier for you to assess the level of training of employees.

Knowledge management systems are more often used by commercial companies to train thousands of employees around the world. This has several advantages:

Reduces training costs: paying for flights, hotels for coaches, and so on.

Helps maintain the same level of awareness among employees in both headquarters and branch offices.

Increases the rate of learning when a new product line appears or a new division is opened. After all, employees can get access to online courses at any time, and one person can manage the system from anywhere in the world. All you need is Internet access.

An LMS is often compared to a virtual classroom where you teach students or staff anywhere in the world and track progress. Let's look at how to work in LMS using the example of iSpring Online. To start the tutorial, you will need to do only 3 steps:

1. Prepare materials for training and upload to the system. The list of materials can include lectures, surveys, video tutorials and webinars, books or presentations - depending on the developed training system.

2. Assign materials to users. Users can now study the curriculum, upon completion of which they will take a test.

3. Track statistics. LMS automatically generates reports on user progress. In real time, you can check how many people have studied the course, how much they got on the test and what mistakes they made.

The systems allow you to track the following parameters:how often the user visited the portal; how many teaching materials have I studied; what mistakes did you make in the test; The LMS administrator can get information about any of the students at any time.

Benefits:

Reduced training costs. For example, the MW-light company, using the iSpring platform, has reduced the cost of training one employee by 20 times.

A source Free access to information. Materials are available to all users, wherever they are; Unlimited cloud storage. Any number of courses, videos can be uploaded to LMS.

Experience exchange. The ability to communicate between users, exchange information and provide feedback with administrators. The system allows you to independently choose the format of communication: chats, blogs, forums, conferences.

Detailed statistics. The program tracks attendance, academic performance, degree of mastery of the material, etc. Some platforms have their own report designers that allow you to create unique forms.

Complete certification. The ability to organize not only distance learning, but also testing and certification of employees.

Simple maintenance. Modern systems can be administered by one employee, an employee who does not have a special technical education.

Disadvantages

Price. The cost of the platform directly depends on the production requirements. But if corporate training is supposed, be prepared to pay from 24,000 to 600,000 rubles. Annually.

Cross-platform. If it is necessary for students to be able to use various gadgets in the process, try to take this into account when choosing a system, since not all of them provide for the correct reflection of the course on mobile devices.

At the present stage of development of education questions of the organization the work of students, the development of more perfect organizational methods, with modern forms of teaching and learning that would study the mental activity of dentists, encouraged them to acquisition of knowledge, improved the quality of howling information, revealed internal reseeds of cognitive activity, thinker processes and memory. With the introduction of the new standard, students with medium and low teaching methods lost the opportunity to increase the level of knowledge

assimilation. After all, practically ski every lesson is a lesson in learning new knowledge, at the stage of consolidation of which students perform tasks of their level difficulties. Due to lack of time for lesson opportunities to complete the task more high level of difficulty among students Hardly ever. This problem can be solved by introducing friction of e-learning. Characteristics of this form of training allow you to create electronic educational resources based on new hypertext and multimedia technologies; organize interaction of subjects educational process based on information communication and communication technologies; real initiate electronic monitoring of formation competencies of students. Therefore, developed in the system e-learning assignments for different level of mental activity will allow students to consolidate knowledge and go to the solution more complex tasks. The use of electronic components exercises allows you to simultaneously carry out differentiated approach practically to all students, which narrows the gap between do lagging students and students with average academic performance [3]. Practical applications We are even more important in the development of creative potential and thinking students, disclosure and manifestation their individual abilities.

Application of an individually-isolated forms of education using information but communication technology allows take into account the personal characteristics of each student in accordance with his training and opportunities, to carry out differentiation a balanced approach to tasks, determine the stump of helping the learner. For the development of mental activity students it is advisable to use tax B. Bloom's nomination. After all, it is the metasubject goals are designed to develop common learning skills : analyze, generalize, identify the main new, define the different, interpret, give an assessment, etc. To develop a thinking activity students, different tasks are needed level, from easy to difficult. Thinking develops consistently. The transition from one one level to another can manage teaching giver, but why not entrust this automated learning environment? ELearning provides the wider possibilities. Students can develop exercise skill, since it is not necessary limiting them in time or quantity attempts.

LMS Moodle - modularly oriented a dynamic learning environment that allows co- build courses for e-learning. Cro- me theoretical information, the system pre- delivers resources for monitoring knowledge, placing tasks of different levels as in the form test questions, and in the form of an Assignment, the opportunity to participate in the Seminar, Project and others types of their implementation. All elements are provide feedback from student and teacher, and some allow you to view and evaluate the work of other students. Consider what opportunities to develop work of tasks of different levels provides e-learning system LMSMoodle. Elements Questionnaire and Questionnaire question allow- instruct the teacher to assess the level of knowledge of the student at the initial stage of studying a specific topics and create motivation for learning, with great difficulty in answering.

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