

ORGANIZATION AND MANAGEMENT OF THE LEARNING PROCESS BASED ON SMART TECHNOLOGY

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1. Introduction

Comparative analysis of the information systems were reviewed in the educational process of foreign educational institutions to create a national e-learning system with the aim of creating an information system, including telecommunication technologies that provide educational software accessibility, regardless of the geographical location of electronic learning resources in the educational process.

Long-term experience of scientific research in the field of EDUCOLOGY [1] on the introduction of modern technologies in the teaching process has shown that the main criteria for choosing the programming tools in e-learning are:

- availability of a set of functions that provide for each student to communicate independently with the educational organization;
- the flexibility of using the existing curriculum in the system to the students opportunities;
- the ability of providing a friendly and flexible interface the users of educational technology;
- stable and continuous work with the system.

In addition, the learning information system needs to be combined with new technologies, standards, and tools. The information system should ensure the users computers to support the multi-platform principle. The information system should have the ability to work autonomously without requiring other software.

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We use the following abbreviations in curriculum management systems in foreign literature [1]:

- LMS - Learning Management System;
- CMS - Course Management System;
- LCMS - Learning Content Management System;
- MLE - Managed Learning Environment;
- LSS - Learning Support System;
- LP - Learning Platform;
- VLE - Virtual Learning Environments.

Learning Management System (LMS)

LMS provides each student with the ability to effectively study the material, and the teaching process manager - the tools needed to administer the process manually. LMS The logging system administrator's functional function is to record and control users the right to access the system and the content of the educational content; organize training sessions for trainees to provide them with general courses and report them; classrooms and faculty resources management and other functions.

This review, we present the generalized requirements for LMS:

- to support data exchange standards;
- voluntary membership of the size, complexity and import of electronic learning products;
- the ability to use rich-media content (different fonts, images, video, audio, animation, flash);
- the availability of control mechanisms for the student's knowledge;
- availability of a single database for all teaching materials;
- calendar of events for your individual training schedule and individual learning plans;
- general and thematic electronic forums;

- support for changing messages (in the chat)
- availability of an adjusted analytical reporting mechanism;
- the staff of the educational process and the educational process by teachers professor (statistics) to examine the possibility of control and monitoring;
- availability of copies of academic reports;

In addition, LMS automates the organization and management of the following processes:

- organization of educational process;
- educational resources;
- knowledge management;
- recording of development indicators;
- disposition to study the process of learning trajectory, accounting;
- the development of educational resources;
- assignment of different user powers associated with the educational process between subjects of the educational process, consisting of educational process managers (managers), educational and methodical materials producers, professors, teachers and technical staff.

Summary

The information system SMART LMS for NUUz, is developed by the teachers of NUUz. Here we discussed the architecture, functionality, comparative analysis and modules of the SMART LMS information system. The advantages of information system SMART LMS proposed by us in comparison with other LMS are listed. It should be noted that the information system SMART LMS developed by us is applied at the National university of Uzbekistan of Mirzo Ulugbek.

References

1. V. A. Bogomolov, Review of free learning management systems. Educational Technology & Society **10(3)** (2016)