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## LMS PLATFORMALARIDAN FOYDALANIB SHAXSGA YO'NALTIRILGAN O'QUV MATERIALLARINI TAYYORLASH

## ПОДГОТОВКА УЧЕБНЫХ МАТЕРИАЛОВ, НАЦЕЛЕННЫХ НА ПЕРСОНАЛЬНОЕ ИСПОЛЬЗОВАНИЕ, НА БАЗЕ ПЛАТФОРМЫ LMS

## PREPARING THE EDUCATIONAL MATERIALS USING LMS PLATFORM

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**Tayanch so'zlar:** ADL, SCORM, LMS tizimi, Moodle, elektron pedagogika, shaxsga yo'naltirilgan ta'lim tizimi, o'rganishni boshqarish tizimi, ta'lim resursi, ta'lim resursi formati.

**Ключевые слова:** ADL, SCORM, Система LMS, Moodle, электронная педагогика, персонализированная система образования, образовательный ресурс, формат образовательного ресурса.

**Key words:** ADL, SCORM, LMS system, Moodle, electronic pedagogy, personalized education system, study management system, resource education, educational resource format.

*Maqolada LMS tizimi tarkibiga kiruvchi Moodle platformasidan foydalanib, ta'lim oluvchining shaxsiy imkoniyatlarini hisobga olgan holda o'rganish muhitini strukturali ko'rinishda ishlab chiqish va uni amalda qo'llashga oid fikr-mulohazalar o'rin olgan. Zamonaviy talablarga javob beradigan mutaxassislarni tayyorlash samaradorligini oshirishning asosiy omillaridan biri bu ilmiy va amaliy ahamiyatga ega bo'lgan yuqoridagi o'quv materiallarini tayyorlashdir.*

*В данной статье рассматривается проблема разработки и применения структурированной учебной среды, учитывающей способности студентов, на базе платформы Moodle, которая является одним из компонентов системы LMS. Одним из основных факторов повышения эффективности подготовки специалистов, отвечающих современным требованиям, является подготовка вышеуказанных учебных материалов, имеющих научно-практическое значение.*

*This article discusses how to develop and apply a learning environment in a structured way, taking into account the student's personal abilities, using the Moodle platform, which is part of the LMS system. One of the primary factors of increasing the effectiveness of training for the training of specialists who meet today's requirements is the preparation of the above-mentioned training materials with scientifically-practical significance.*

In recent years, many measures have been undertaken to reform the world-wide education and to increase the effectiveness of the education, and in the case of these measures, we have developed a variety of information systems and is being implemented.

From a historic perspective, in November 1997, the United States announced the ADL (Advanced Distribution Method) Concept for Education Modernization.

The first step towards the development of this concept was the creation of a standard SCORM (Shared Content Object reference Model).

The main objective of the SCORM standard was to define the structure of the learning material for distance learning and the way they are implemented.

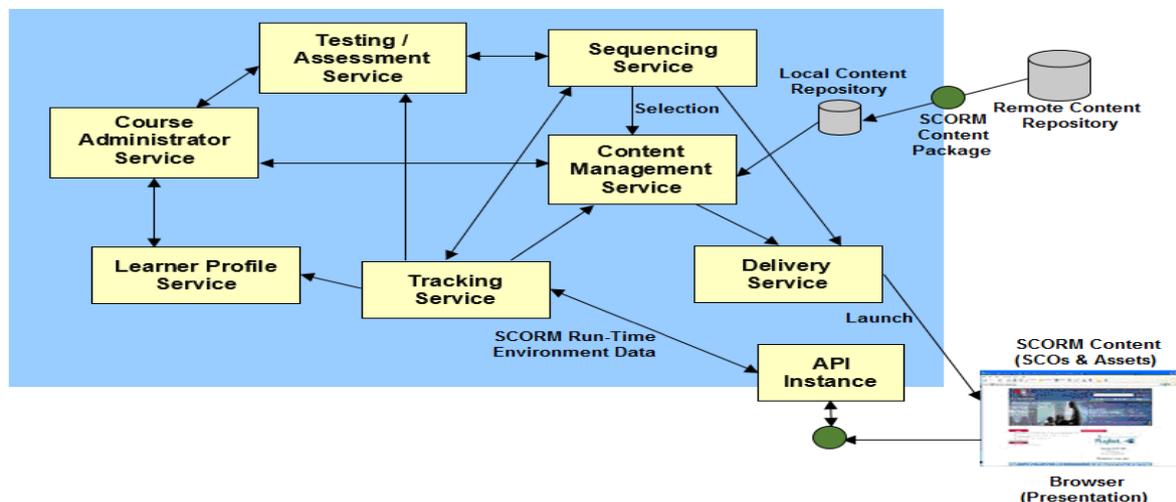
Since the SCORM has been conducting a number of research studies by well-known scientists in the world, and has developed a set of principles for distance learning and learning organization seen.

One of the main principles included in the SCORM standard was the telecommunications issue that concerns the idea of creating a learning environment. The characteristic model for telecommunications (generally for the Internet) was naturally the client-server model. This model is based on the SCORM standard.

As a server for the SCORM standard, the new technology has been adopted and the technology has been called the LMS (Learning Management System).

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Thus, in the SCORM system the term LMS has been used as a set of functional features designed to organize auditors' training, deliver educational material to the audience, and to manage educational content and learning processes remotely. Based on its name and its functions LMS has started functioning as multi-component and extremely complex. Below is the LMS system, its components and services that are directly linked to this system are schematic [5] (Figure 1).



**Figure 1. The LMS system and the components related to this system**

If we describe the SCORM standard visually, it can be imagined as a set of books on the shelves, and each of these books is intended to describe a specific part or specific function of the SCORM standard.

In this regard, today the SCORM standard is being studied as a three-part system: SCORM CAM, SCORM RTE and SCORM SN.

SCORM Cam (SCORM Content Aggregation Model) – defines the requirements for creating, maintaining and maintaining the content of the training material.

SCORM RTE (SCORM Run-Time Environment) – defines the requirements for starting the training material throughout the system and arranging the exchange of information.

SCORM SN (SCORM Sequencing and Navigation) – is engaged in editing and processing of navigation materials.

Thus, LMS systems are now recognized and actively used as instrumental tools throughout the world.

Specifically, eXe - eLear XHTML Editor is designed to create an electronic learning curriculum.

As far as possible, it is not so great as compared to Authorware. Based on the Mozilla Firefox Web Browser. Free distributed, free software. Official site:

<http://exelearning.org/>.

It is possible to create the perfect courses that combine the ability to test knowledge through several types of test questions (single, multiple choice, yes / no, enter required word).

In practical terms, you can add any material, such as Web page, sound, flash, video, and pictures to the course.

Reload Editor - Editor of the SCORM package metadata. This program provides you with the ability to create, edit, and structure structured course information for the course metadata.

This open source software is also distributed free of charge and its official site is as follows:

<http://www.reload.ac.uk/editor.html>

In addition to editing the course, this program also has a special built-in emulator that can check the packet's ability to work again.

**Moodle.** This open-source LMS system is a free, distributed, freeware software licensed under the GNU General Public License (GPL), its official web site:

<http://moodle.org>.

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This system has all the elements required for distance education. It also provides an opportunity for the teacher to communicate separately between the reader and the reader and the reader.

In our country Moodle (Modular Object-Oriented Dynamic Learning Environment) system is being used effectively. This open-source free software, created by the Australian scientist Martin Dugiamas (2002), is currently being developed [1,2].

In this article, we'll focus on creating and implementing structured personalized learning material that is used in the LMS Moodle System.

Personally oriented learning materials can be used as a methodological or didactic tool in a personalized learning process.

Here are the following statements of the Uzbek scientist T.K.Buriev on the personality-focused learning technology [4]:

It is well known that the task of a teacher is not merely to teach the fundamentals of science, to teach and to evaluate, but also to carry out educational activities, taking into account the personal emotional features of the trainee. This is because the educator may have stayed in a certain time, for example, in the gutter of asthenic perceptions. The teacher will have to deal with the anecdotal feelings of the trainee and will need to provide practical assistance to the teacher. And, of course, this will inevitably have an impact on the effectiveness of this science.

In general, the teacher who sees the individual's personality attitudes during the classroom may be able to apply different measures to his or her personality, depending on the skill, it is not possible to provide a person-centered approach to it [3], but how can this be done by a pedagogue in distance education?

In such a situation, a teacher should integrate all his skills and expertise into the content of his/her training material. Because the instructor can not learn all of the students in the virtual auditorium, but the creation of individual teaching materials is indispensable. This means that the training material prepared by the teacher should be fully focused on the individual, by summarizing the features of virtual audiences.

The method proposed by the authors envisages the structured training of individual oriented learning materials, the essence of which is as follows:

1. Each topic in the curriculum is complex in three levels. For example:

The first level material is fully covered by all subcategories of the topic (or module) in the subject matter;

Secondary material selects up to 60% of the theme (module) sub-topics;

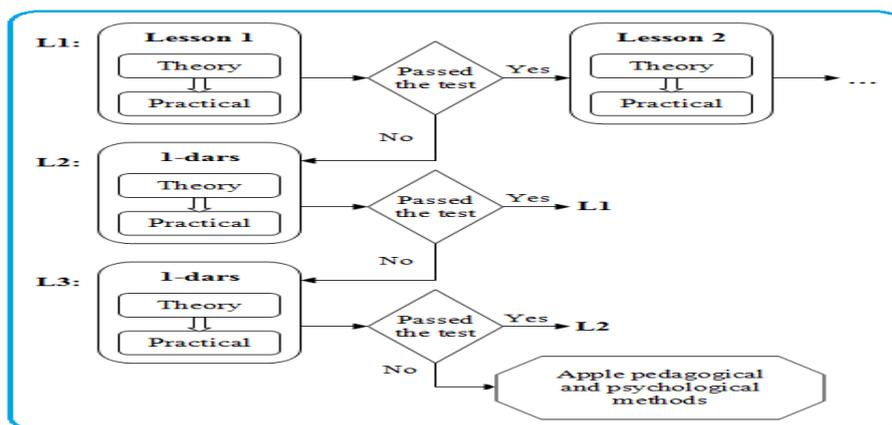
The material of the third level is formed on the basis of very simple and easy themes in the amount of 40 % of all the sub-themes mentioned in the program of science .

2. During the virtual learning process, the student receives the first priority (module). To get acquainted with the level of development of theoretical and practical topics, a proper type of control is carried out. If the result is satisfactory the trainee can move to the next topic, otherwise, if the result is unsatisfactory, then the trainee will receive the second item of the first subject.

3. In the same way, the results of studying topic 2 on topic 1 are reviewed. If the result is no longer satisfactory , then the trainee is referred to the third level of the topic 1, and, if the result is satisfactory , then he will be directed to the first level. In this case the trainee will need to re-examine and test the topic 1 in the first level complexity.

4. This algorithm will be continued until the trainee is ready to meet the requirements of the training material proved in the initial topic. The structured view of the personality-oriented learning material is shown in Figure 2 below:

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**Figure 2. The structured view of the personality-oriented learning material**

In conclusion, one of the primary factors of increasing the effectiveness of training for the training of specialists who meet today's requirements is the preparation of the above-mentioned training materials with scientifically-practical significance.

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УДК:37(094)

### ЎҚУВЧИ ВА ТАЛАБА-ЁШЛАР ЎРТАСИДА ЎТКАЗИЛАДИГАН СПОРТ МУСОБАҚАЛАРИ ТИЗИМИНИ ЯНАДА ТАКОМИЛЛАШТИРИШ ЙЎЛЛАРИ

#### ПУТИ СОВЕРШЕНСТВОВАНИЯ СИСТЕМЫ СОРЕВНОВАНИЯ СТУДЕНТОВ И УЧАЩИЕСЯ МОЛОДЁЖИ

#### PERSPECTIVES OF THE SPORTS TRAINING SYSTEM AMONG THE PUPILS AND STUDENTS

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**Таянч сўзлар:** талаба-ёшлар, ўқувчилар, спорт мусобақалари, жисмоний тарбия, спорт.

**Ключевые слова:** студент, молодёжь, учащиеся, спортивные соревнования, физическая культура, спорт.

**Key words:** student, pupils, sports competitions, physical training, sport.

*Ушбу мақолада ўқувчи ва талаба-ёшлар ўртасида ўтказиладиган спорт мусобақалари тизимини янада такомиллаштириш йўллари, шакллари, воситалари ва вазифалари ҳақида сўз боради. Бундан ташқари, тизимли мусобақаларнинг мақсадли ўтказиш жадвалларининг янгича талқини ҳақида ҳам батафсил маълумотлар берилган.*