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Institutions of Higher Education: A Method of Using Moodle Electronic Platform for Independent Education of Students

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A B S T R A C T
Today, in order to improve the quality and effectiveness of education of institutions of higher learning, in order to create conditions for students to acquire independent knowledge, it is being used on our e-learning platform at Bukhara State Medical Institute.

Open University of UK and many other institutions from different parts of world and at Bukhara State Medical Institute are using Moodle for the teaching, learning and assessment of their students in all courses because of its Flexibility, Customization and Security offered with no extra costs. The objective of this research is to explore use and benefits of MOODLE Open Source Platform by presenting first experience and responses from the users (both Faculty and Students) about MOODLE (www.moodle.bsmi.uz).

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Introduction

Open Source (www.opensource.org):In the past decade, open source software has become one of the most used platform among software users, developers and practitioners for their personal as well as professional usage.[3,4]

The interest in open source software is increasing because:

The success of products such as Linux and Apache are obtained popularity as well as market share;

The agitation about the Microsoft monopoly in the software industry; and the “classical" approaches to software development are failing to provide a satisfactory answer to the increasing demand for effective and reliable software applications. [5, 6]

LMS (learning management systems) has emerged as very viable solution to many schools, colleges and universities, particularly universities from past 8-10 years. LMS has helped the institutions for the presentation of the content or instructional design of the different courses and played a vital role in serving educational and instructional objectives [1-12]. Save time for teachers. Moodle is easily integrated with other tools and systems, the electronic journal of the institute, attendance tools, test books and much more. These integrations mean that teachers can spend less time registering and managing their students and more time learning. an organized e-learning environment. As already mentioned, since Moodle is able to seamlessly integrate between existing systems, an educational institution can effectively manage training from the center. This helps keep all administrative and training activities more organized, organized, and allows you to store and track this holistic information in one place.; the possibility of applying mixed approaches to learning.[7,11] Training has long since faded into the background. However, using Moodle, you can use a mixed learning approach to include different learning materials suitable for specific goals, and different learning styles to effectively evaluate multiple types of formal and no formal learning. Using solutions such as virtual classrooms, gamification, and other techniques

can help create more dynamic courses and positively impact student engagement and overall success. [1-12].

Materials and Methods

In the present day, when we live in the era of modern technologies, one of the most advanced learning technologies and modern internationally recognized applications is the Moodle platform, with which teachers can create their own training courses and use them to independently teach students through this course, as well as to improve their knowledge .From the subjects in this course, we give lectures, conduct practical classes, laboratory work, tests, etc. At the Bukhara State Medical Institute, students are accepted according to three programs: groups of the national direction, students accepted according to joint programs, and students accepted according to the MBBS program. The process of teaching students in these three areas coincided with the remote conduct of training sessions, starting from the period of the Covid-19 pandemic, in order to ensure high-quality and meaningful training sessions for students during the pandemic, the team of the faculty of the Bukhara State Medical Institute conducted all its classes using the open Moodle platform. During this period, the teaching staff of the Department of Innovative technologies and information technologies, biophysics, including me, created their own electronic course, in which I taught information technologies in education and information technologies in medicine in their groups in three languages: Uzbek, Russian and English, for the purpose of using students and conducting remote training sessions. In order to find out how well the students mastered the subject areas between the second and first courses of study, using the tests section of the Moodle program, tests were obtained, including test questions on the topics. I have analyzed and studied the results of this test, and also received the results of the test analysis below. [1-12,13]

The results of our research should be of interest to university administrators, teachers and students who plan to offer, teach or take courses implemented in Moodle. In addition, it can help many universities that are still deciding how widely they offer online or mixed courses and which are the most suitable platforms they use to structure their offers that are used in the research conducted. A discussion of the results from the point of view of both students and teachers is presented to promote future research and innovation in the practice of online learning.

We have created an electronic course on the subject “Information Technologies in Medicine in order to improve the efficiency and quality of classes. This course contains all the information, such as lecture texts, practical tasks, concepts of how to perform practical and laboratory tasks, and therefore, in order to assess the knowledge of students, control questions for practical classes, control questions for laboratory tasks and laboratory classes are given.

Conclusions

Thus, you can achieve good results in the education process using the Moodle platform. In general, in modern teaching activities, such an innovative approach will not only serve to improve the quality of teaching, but also save time and provide up-to-date, up-to-date information to improve students ' knowledge and use modern technological programs.

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