

## UNDERSTANDING AND TOURS OF THE ONLINE EDUCATIONALN PLATFORM (global aspect)

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**Abstract.** This work examines online education platforms, their content, functionality and types that have emerged on a global scale, as a key component of the modern digital education system. An overview of the online platform, factors influencing the formation of distance education, as well as the main features of the most widely used platforms (MOOC systems, LMS and virtual learning environments) are described in the annotation. The study analyzes the development processes of international platforms such as Coursera, edX, Udemy, Khan Academy, their contribution to the quality of education and their role in the global exchange of knowledge. It also provides information about the advantages of using synchronous and asynchronous learning models, the use of artificial intelligence, interactive resources, mobile learning and adaptive technologies in the learning process.

**Keywords:** Online education, educational platform, digital education, MOOC, LMS, global education system, virtual learning environment (VLE), distance education, synchronous education, asynchronous education, Coursera, edX, Udemy, Khan Academy, education based on artificial intelligence, mobile education, interactive resources, digital pedagogy, educational technologies, global educational trends. The following are some of the key terms used to describe online education.

In today's digital society, online learning platforms have become an essential tool for organizing the learning process. They are independent researchers, researchers, and developers of international knowledge, as well as advisors and consultants. Online platforms expand traditional learning opportunities, provide free access to information resources, and allow for the personalization of the learning process. In this paragraph, we analyze the types of online learning platforms, their architecture and functions, and the scientific conclusions drawn from the experiences of many researchers.

An online learning platform is a virtual ecosystem that serves to organize, manage, and evaluate the learning process in a digital environment. It's where the student and the teacher meet, where the sources of knowledge are presented, where the collections are performed, and where the results are analyzed. In other words, an online learning platform is not just a media outlet, it's a digital environment that provides the full control of the learning process. Its main functions are to store and distribute educational content, personalize learning activities, provide automatic feedback, facilitate collaboration, and monitor the learning process..

The term "virtual ecosystem" in this definition means that the various modules (lessons, tests, forums, videos, simulators) on the platform work in harmony with each other. In this way, online learning platforms provide students with unlimited opportunities to learn: they can learn independently of time and place, and personalized trajectories can lead to individual development. For example, a student can watch a required lesson as a video course, then take a test to test the knowledge, debate the results in a forum, and save the results in a personal portfolio. In this regard, researcher E.S. Polat emphasizes: ?? Online educational platform ?? is a unique digital environment built on information and communication technologies, providing effective communication and interaction among all participants of the educational process. Moreover, the online learning platform is a new model of education that transfers the

traditional learning process to the digital environment and is of strategic importance in the development of independent learning skills in students.

Online learning platforms are designed for a variety of purposes and tasks, and the classification of the learning process is complex. Этилиши ва ўқувчига қандай имкониятлар яратилиши билан белгиланади. Айрим платформалар оммавий аудитория учун мўлжалланган бўлса, бошқалари муайян таълим муассасаси ёки касбий тайёргарлик жараёнига ихтисослашган. Шунинг учун онлайн таълим платформаларини турларга ажратиш уларнинг вазифалари, имкониятлари ва таълимдаги ўрнини аниқлашда муҳим аҳамиятга эга.

Massive Open Online Courses (MOOCs) are courses that are open to the general public, aimed at a wide audience, and provide free access to the Internet. The main thing is that anyone can freely adapt the courses offered by universities or specialized educational institutions in a variety of subjects and areas. Coursera, for example, offers hundreds of courses in partnership with some of the world's leading universities, and many of them are formally accredited by accreditation bodies. This gives students the opportunity to pursue a career path, learn a new field of study, or take a distance learning course at a foreign university. The EdX platform focuses heavily on academic innovation, and in addition to degree-level courses, it also offers master's-level courses. This is why it is so important that edX courses are based on a solid scientific foundation. The Udemy platform is designed to accommodate courses from a team of experienced practitioners and industry experts. It focuses on the development of professional skills, the development of new technologies, and the application of applied knowledge in the production process.

The advantages of MOOCs are many. First, because of the openness and accessibility of the curriculum, students from a variety of backgrounds and countries can benefit from these opportunities. Secondly, the courses allow you to learn in a time and place independent manner, which is very convenient for those who are already working and want to improve their skills. Third, MOOCs are based on a multi-modular structure that allows students to learn at their own pace. Similarly, elements of gamification, interactive groups, forums, and peer-to-peer systems play a huge role in building student motivation and consolidating learning. MOOC platforms such as Democ, Coursera, edX, and Udemy serve to democratize education, promLMS (Learning Management System) – Massive Open Online Courses (MOOCs) are courses that are open to the general public, aimed at a wide audience, and provide free access to the Internet. The main thing is that anyone can freely adapt the courses offered by universities or specialized educational institutions in a variety of subjects and areas. Coursera, for example, offers hundreds of courses in partnership with some of the world's leading universities, and many of them are formally accredited by accreditation bodies. This gives students the opportunity to pursue a career path, learn a new field of study, or take a distance learning course at a foreign university. The EdX platform focuses heavily on academic innovation, and in addition to degree-level courses, it also offers master's-level courses. This is why it is so important that edX courses are based on a solid scientific foundation. The Udemy platform is designed to accommodate courses from a team of experienced practitioners and industry experts. It focuses on the development of professional skills, the development of new technologies, and the application of applied knowledge in the production process.

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LXP platforms focus on the gradual shaping of the student's personal development and competencies. They also embrace opportunities for collaboration with peers, in addition to quizzes and quizzes, interactive quests, creative projects, and social learning environments. For example, LXP platforms like Degreed, EdCast, and Totara not only offer courses, but also provide students with career development opportunities, a portfolio of skills, and skills that are in demand in the job market.

The afzallicity of LXP systems is measured in a number of important ways. First, it provides a personalized learning experience, which increases student motivation based on curiosity. Second, LXP platforms bring together content from a variety of sources: books, videos, articles, webinars, all in one place and present it in a way that is convenient for the learner. And third, these systems foster career development, so that students not only gain knowledge, but also have the opportunity to apply it in the workplace. In this way, LXP platforms are an innovative mechanism for personalization of the independent learning process and effective innovation in the digital environment.

Micro-education ecosystems are digital education systems based on curricular, modular, and purposeful learning materials. They're essentially about giving the learner the ability to process information in a short amount of time, in a focused way, and in an easy way. Micro-education vouchers are presented in the form of 5×10 minute videos, infographics, podcasts, online quizzes, or short modules in mobile applications. In this process, the learner does not accumulate the knowledge in a large volume over a long period of time, but in parts, gradually.

The most important advantage of micro-education ecosystems is that they help modern humans adapt to a fast-paced lifestyle and rapidly adapt to learning. For example, a student can get the knowledge they need on a mobile app in less time than they would on a trip or at work. At the same time, micro-education increases memory capacity, because knowledge is presented over and over again through short modules, and it increases the efficiency of adaptation.

Microlearning ecosystems are also being widely used in corporate education. Many companies are using short, modular learning materials to help their employees learn without interrupting their workflow. However, microeducation promotes self-directed learning because the learner can choose which modules to learn, personalize the learning experience, and control his or her developmental trajectory. Moreover, micro-education ecosystems serve as one of the most important innovations in modern digital education, enabling students to manage their time effectively, organize their learning in a concise and purposeful manner, and encourage personal exploration in the independent learning process Hybrid-mixed formats – It's a modern educational model that combines the capabilities of an online environment with traditional learning methods. In it, one part of the learning process takes place in the classroom, under the

guidance of a teacher, in a traditional way, while the second part is implemented as an independent education through online platforms. This collaboration creates the opportunity for students to integrate classroom learning into a digital environment, deepen their understanding across multiple resources, and expand their individual exploration.

The main advantage of the hybrid format is that while it maintains the traditional learning structure of face-to-face interaction and direct collaboration with teachers and peers, it also leverages the limitless resources and personalization opportunities of online learning. For example, a student may take a classroom lesson, and then use an online platform to test their knowledge, a simulator, or a virtual lab to reinforce their knowledge. This provides independence in time and space, and it fosters independent exploration and responsibility in the student. This model is common in many foreign universities and schools. For example, in a "flipped classroom", students upload theoretical material online, and less time is spent practicing and debating. In this way, hybrid-intermediate formats streamline the learning process, deepen the learner's knowledge, improve time management, and reinvent 21st century competencies.

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