



INNOVATIVE PLATFORMS FOR TRAINING SPECIAL SUBJECTS IN THE SYSTEM OF PROFESSIONAL EDUCATION

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Abstract: This article describes the state of the vocational education system in the Republic of Uzbekistan, the existing problems in the organization of distance learning, their elimination and the training of competitive personnel.

Keywords: education, international standards, classifier, distance learning, electronic platforms, scientific potential.

In ensuring the sustainable and dynamic development of the economy of the Republic, comprehensive, reasonable-based priorities and directions for the future, plans and programs of socio-economic development are being developed. New market relations, which are being formed in our country and are deepening in many areas, are affecting the system of continuing education, including the activities of professional educational institutions, which serve to increase the number and capacity of talented, enterprising highly qualified personnel. In the period of modernization and diversification of the economy of Uzbekistan to increase incomes, living standards and GDP, to strengthen the independence of the country, to create new jobs to improve the welfare of the people, to improve working conditions, to increase the intellectual potential of labor. is also one of the most important issues of today. In today's globalization and rapid information exchange, the development of any organization, enterprise and institution in line with modern requirements depends on the broad outlook and responsibility of employees, and most importantly, the knowledge, skills, abilities, spirituality, management skills, scientific potential and other characteristics of highly qualified personnel. directly related. One of the main requirements of a market economy based on strict competition is the training of competitive, highly qualified personnel in professional educational institutions, their targeted use for the peace and prosperity of our country and the well-being of our people. The role of highly qualified personnel, who are part of the country's huge scientific, creative, intellectual and labor potential, has been graduating from professional educational institutions since independence, following the requirements of a market economy and working effectively in organizations. In recent years, large-scale work has been carried out in our country to create a system of professional education that meets the priorities of socio-economic development and the requirements of international standards. In particular, in pursuance of the Decree of the President of the Republic of Uzbekistan No. PF-5812 of September 6, 2019, the activities of professional colleges in the Republic were terminated in accordance with international standards, ie levels 3,4,5 of the UNESCO International Classification (hereinafter referred to as International Classification or MSCO) an inclusive professional education system has been introduced. At the same time, we can see vocational schools corresponding to level 3 of the international classification, departmental colleges corresponding to level 4 and technical schools integrated with the system of higher education corresponding to level 5. The establishment of new vocational education institutions in the regions, the opening of modern educational directions and specialties of training and part-time and evening departments, the increase of quotas for admission to vocational education institutions are important reforms in this area. In modern conditions, the educational process in vocational education institutions is carried out on the basis of established

educational normative documents, curricula on disciplines are developed jointly on the basis of socio-economic development programs of the region and the needs of industries. What are the problems and shortcomings in the vocational education system that meets international standards?! In answering these questions, we can explain the problems and solutions as follows:

First, in recent years, there has been a need to move from the traditional form of the educational process to distance learning in educational institutions, as well as preventive measures such as infectious diseases that negatively affect human health around the world, such as coronavirus infection. In the higher education system, distance learning has been organized in most higher education institutions on the basis of the MOODLE software education platform. However, at the same time, in the system of vocational education, due to the lack of "smart learning" platforms for remote implementation of the educational process, training was conducted through social networks and various messengers. This, in turn, leads to lower quality of education, problems with the control system, untimely attendance of students, problems with the Internet in the regions, difficulties in using them due to the different sizes of training materials, and increased costs for teachers and students. This has led to problems that negatively affect learning continuity, such as some learners not attending classes. For example, in a survey conducted in 2020 at the Sergeli Polytechnic professional college on the effectiveness of the "online course" due to the pandemic, only 27% of students and their parents were positive, 73% of respondents said that the quality of education decreased. Thought however, for many years this educational institution has been a leader in the quality and ranking of education in Tashkent and the country.

Second, the newly established vocational education system has full-time, part-time, part-time and dual forms of education, which differs from the previous system of vocational education. recipients are observed to have relatively little knowledge and skills. In order to overcome such shortcomings, it is advisable for distance learning students to receive distance learning on a "voluntary schedule".

Third, in accordance with the Law of the Republic of Uzbekistan "On Education", the Cabinet of Ministers of the Republic of Uzbekistan adopted Resolution No. 163 of March 29, 2021 to create opportunities to support the interests of young people in occupations and specialties and the organization of dual education in vocational education. In accordance with this decision, starting from the 2021/2022 academic year, the vocational education system will introduce a "dual" system of education based on the principle of "lifelong learning". or to strengthen their practical skills in manufacturing industries, where businesses and organizations are expected to pay students. This, in turn, will increase the interest of young people in learning professions and specialties. However, the knowledge and skills acquired in a 2-day theoretical or practical session during the week can negatively affect the minimum requirements for the knowledge and skills that young people should acquire. Therefore, it is advisable for young people studying in the "dual" education system to receive "mixed" education on the basis of a 2-day traditional education 4-day distance education system. After all, education is unlimited, and the fact that the younger generation will receive effective knowledge in a short period of time and in turn ensure integration with the manufacturing sector will undoubtedly have a positive impact on the development of the country.

Today, a lot of work is being done to effectively organize the professional education system. In particular, the online electronic platform for www.kollej.edu.uz for departmental colleges and www.texnikum.edu.uz for technical colleges of the Ministry of Higher and Secondary Special Education was launched for the reception and registration of applicants for colleges and technical schools of the Republic for the 2020/2021 academic year. In 2021, in order to establish a single system of registration of students of vocational schools and short-term training courses for unemployed people in vocational schools, organized in cooperation with the Ministry of Employment and Labor Relations of the Republic of Uzbekistan, electronic platforms www.prof-talim.edu.uz will be launched.

In order to overcome some of the above problems and shortcomings, it is advisable to create electronic platforms "Smart Education" in each educational institution, to create innovative innovative learning

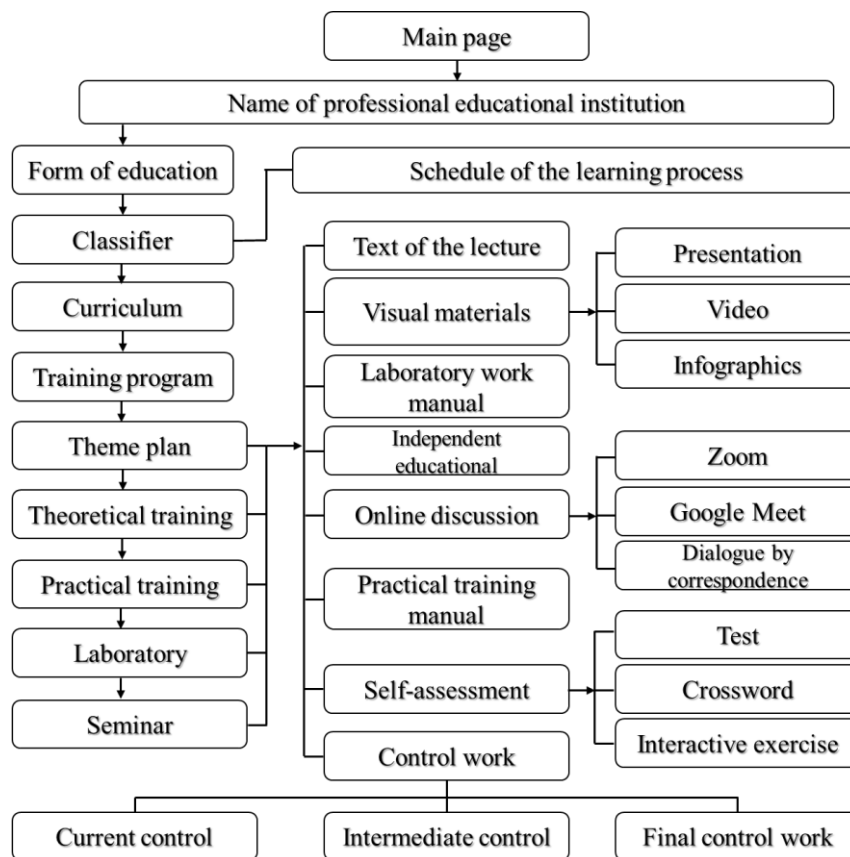
platforms that reflect the existing educational process in each area of education in the educational institution. The users of the platform can be divided into three groups:

Learners (students, listeners) - users of the category of students will be able to log in with the login and secret codes, use the text of lectures, laboratory work, practical assignments, visual materials on the given schedule and control work sends independent study and other tasks to the teacher in electronic form.

Pedagogical staff (teachers, masters of industrial education, instructors, etc.) - a separate login and secret code is provided for pedagogical staff, and users belonging to the category of pedagogical staff fully organize and conduct training in the system. In the organization of training sessions systematizes all materials on the topic of the lesson, monitors the participation of students in the training, checks and evaluates the completed assignments, organizes live videoconferences during the training.

Administrative staff (administrator) - oversees the entire educational process, including the full control of the activities of teachers and students, monitors the mastery and progress of training. The educator provides staff and learners with logins and secret codes to log in.

It is difficult to introduce a single platform for all vocational education institutions when creating Smart Education electronic platforms for the vocational education system, since it is based on the curricula of relevant professions and specialties in educational institutions in accordance with the Regulations approved by the Cabinet of Ministers of August 7, 2020. Curricula will be developed and approved in agreement with industrial associations, subordinate higher educational institutions and partner organizations on the basis of programs for the socio-economic development of the region. This, in turn, means that topics in approved curricula in educational institutions cannot be mutually exclusive. In addition, given the large number of materials posted on the electronic site on each topic in educational programs, the creation of this electronic site requires a high-quality modern material and technical base, taking into account the simultaneous use of the system by millions of users. The platform must be connected to a server with a large amount of RAM and high performance.



Platform structure for the learner (user) category

As a solution to such problems, it can be shown that the system load is divided into parts. In this case, the solution to the problem may be the creation of a separate electronic platform for each educational institution and the installation of a separate server.

To date, a number of activities are being carried out in the country in the field of training personnel in information technology, for example, the creation of branches of the Tashkent University of Information Technologies in a number of regions, such as "One Million Programmers". At the same time, in order to create and use innovative electronic platforms in vocational education institutions, constantly improve the introduction of a system of special training and advanced training for managerial personnel of each institution at the expense of the state budget to create innovative electronic platforms, as well as improve their skills and achieve a new approach to educating the younger generations in the system.

In conclusion, it should be noted that in today's globalized world, training through information technology plays an important role. Indeed, it is inevitable that we will widely use information technology in our daily lives, in the economy, in production and in all areas of our lives.

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