

INNOVATIVE METHODS OF INTERACTION OF PARTICIPANTS OF THE EDUCATIONAL PROCESS

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Annotation

This article is devoted to the effective use of innovative methods in the process of interaction between higher education institutions. It focuses on distance learning using pedagogical training and online classes

Keywords: education , work, modernization, resolution, memorandum, innovative activity depends, “Innovative person”, Online training, webinar.

Introduction. There are more than 16 thousand higher medical educational institutions in the world that operate at the national level, and their activities are stimulated by leading international organizations: the World Health Organization, the World Federation of Medical Education, UNESCO, the Council of Europe, the International Institute for Medical Education, the Association of Schools of Public Health of the European Region, European Association for Medical Education and others. Combining international and national efforts contributes to the development of education in the world and ensures the progress of this important area of human activity. Around the world, special attention is paid to higher education. In particular, the President of the Republic of Uzbekistan adopted a number of resolutions that are fundamentally aimed at the modernization of training and education at the university. One of the main issues is the quality of education. This question is a key one, the answer to it will determine the content of education, the quality of curricula, the teaching methodology, the competitiveness of graduates in the labor market and other components of the quality of education. President of the Republic of Uzbekistan Sh. M. Mirziyoyev in his report at an expanded meeting of the Cabinet of Ministers on the results of the country's socio-economic development in 2016 and the most important priority areas of the economic program for 2017 noted: “It is necessary to radically revise the curricula and programs, attracting this by experienced educators and professionals. We are faced with the difficult task of quality training and retraining of personnel. ”It will not be an exaggeration to say that 2018 was a year of radical changes in the higher education system of Uzbekistan. On October 18, 2018, the first Russian-Uzbek educational forum was held. The forum "New

cadres - for a new economy" was held as part of the First Forum of interregional cooperation between Russia and Uzbekistan, which was organized with the participation of President of the Russian Federation V.V. Putin and the President of the Republic of Uzbekistan Sh. M. Mirziyoyev. The purpose of this forum was to significantly strengthen and expand cooperation between the two countries in the field of education and science, and contribute to the deepening of interstate cooperation as a whole.

At the present stage, the development of higher education in Uzbekistan, its access to the international level, the growth of human capital are strategic tasks. And the prosperity of the country in the future, the steady growth of the economy, science, education, culture and other industries depend on their successful implementation. A huge role in this process is played by close scientific and educational cooperation with the Russian Federation.

As part of the implementation of the tasks assigned to the heads of higher educational institutions of the Republic of Uzbekistan and the Russian Federation, a memorandum in the field of education was signed. Reforming the system of training and retraining of specialists for the pharmaceutical industry as a component of the state healthcare system is due to global changes in the labor market, the progress of world pharmaceutical and medical science, and changes in the social, economic, legal and educational space. In November 2018, the rectors of the Tashkent Pharmaceutical Institute and St. Petersburg Chemical-Pharmaceutical University signed a memorandum on joint activities. St. Petersburg State University of Chemistry and Pharmacy is a leader in the training of highly qualified personnel for the pharmaceutical industry. The SPHFA diploma is recognized and appreciated not only in the Russian Federation, but throughout the world. The centenary history and modernity of the university is associated with the names of the largest Russian scientists. To prepare specialists of the "highest standard", a high scientific potential, rich pedagogical experience of teachers, modern scientific and technical teaching aids are also needed. The university fully possesses all these components. The Tashkent Pharmaceutical Institute with eighty years of history is the first higher pharmaceutical educational institution in Central Asia. Both of these higher pharmaceutical universities have almost a century of experience in training highly qualified specialists in pharmacists. A guarantee that the knowledge and skills of pharmacists are globally applicable and international should be accessible and understandable documentation of all levels of educational programs and their quality. Proceeding from this, at the present stage, documents and training programs have been prepared and needed, which enabled the two sides to begin work on joint training of future specialists. The joint faculty began its activities with the new 2019-2020 academic year. In addition, for the effective organization of joint activities, much attention is paid to the selection of forms, methods and training tools in order to ensure the effectiveness of the organization of the educational process. In the 2018-2019 academic year, it was planned to conduct distance meetings using effective innovative forms of training in educational

practice, such as a webinar, online lectures and seminars, binary courses and blended learning. The same activities are being carried out jointly with the Andijan State Medical Institute.

Purpose of work. This article is devoted to the effective use of innovative methods in the process of interaction between higher education institutions. It focuses on distance learning using pedagogical trainings and online classes. The effectiveness of subjects of innovative activity depends not only on internal organizational capabilities, but also on the institutional environment in which they operate, as well as on the degree of their involvement in this environment. Accordingly, the effectiveness of innovative systems is determined by the level of scientific and technical cooperation and the efficiency of the processes of circulation of knowledge flows. At the present stage in the education system, much is said about distance learning, about innovative learning, and the innovative activity of a teacher. The concept of "innovation" is used in relation to a person, a subject of activity. "Innovative person" is a broader category, meaning that every citizen must become adaptive to constant changes: in his own life, in economic development, in the development of science and technology, an active initiator and producer of these changes. Moreover, each specialist will play a role in the general innovation community in accordance with their inclinations, interests and potential. An innovative society and education is aimed at training and education of an "innovative person". The key competencies of the innovation community should be:

- the ability and readiness for continuing education, continuous improvement, retraining and self-education, professional mobility, the pursuit of new things;
- the ability to critical thinking;
- ability and readiness for reasonable risk, creativity and enterprise, ability to work independently and willingness to work in a team, willingness to work in a highly competitive environment, mobility;
- wide knowledge of foreign languages as communication tools for effective participation in globalization processes, including the ability to freely communicate in English, everyday, business and professional.

The formation of future specialists is a long and complex process, which includes the need to adapt for these purposes not just separate areas of socio-economic policy (primarily education policy), but the public environment as a whole, the formation of a "climate" in society providing freedom of creativity and expression, encouraging and rewarding people with the appropriate competencies and achieving success through their use.

In this regard, it is necessary to form a coherent system of continuing education that meets the requirements of the innovative economy. The transition to the use of modern teaching methods and technologies aimed at the continuous development and further improvement of creative thinking, skills and motivation to identify and pose problems, create new knowledge

aimed at solving them, search and process information, independent and team work, and other competencies of innovative activity. In this regard, the role of cooperation in the educational sphere is of course important. Forming a new learning environment, we are forming a person, citizen and specialist ready to meet the requirements of the 21st century.

Let us dwell on the main innovative methods that will make it possible to create a new learning environment. One of the not new, but effective forms of learning is training. Training is the main form of interactive exercises, which are an organizational event that provides theoretical knowledge and practical skills that need to be learned in practice, in the exercise. Training is not an innovative method, but online training is more and more practiced in world education. Training is focused not only on the development of interpersonal relationships, but also on increasing the general level of professional competence of future specialists. Good training is always based on the cooperation of the trainer and the participants. Currently, trainings are widely used in higher education. In particular, foreign professors and teachers who are trained under cooperation agreements with foreign universities in order to improve the higher education system make extensive use of online trainings, online lectures, and practical online classes. This has a positive effect on the quality and content of education. So in December 2018, associate professor of St. Petersburg University of Chemical Pharmaceuticals, doctor of philological sciences, associate professor S. A. Vorobyov conducted an online pedagogical training on the topic “Management Psychology”.

The organization of any type of pedagogical training consists of the following stages:

1. The highlight (charm is a wonderful aspect of working with students) is a short discussion, asking questions, proposing provocative arguments or taking any activity to stimulate students' interest in learning.
2. An explanation of the purpose of teaching the audience. As a result of the training, students should answer the question: “What do I need to know and do after the training?”
3. Contribution of the coach. Provide background information for training, the necessary information (text, lecture, document, reading) and display the content of science for a certain type of activity.
4. Interactive strategy is the heart of learning. A brief description of how you can use your interactive methodology. An interactive style is the organization of collective bargaining, freedom of expression, discussion, analysis and activity.
5. Debriefing and training assessment. Students draw conclusions from the acquired knowledge and skills, discuss the use of the acquired knowledge and skills in other cases. This is a section of the training that answers the question “What did students learn and get?” During the training, students gain theoretical knowledge and also develop their emotional and behavioral skills.

Online trainings differ from traditional trainings in the following aspects:

the main goal of this type of educational process is to remotely gain new knowledge, create a scientific environment, get to know each other and emotionally receive a charge of good mood.

The form, methods and means of training and education are selected and personalized based on the purpose of training.

Another new concept of cooperation with local and foreign universities is the concept of blended learning. The advantage of the system is that the teacher remains in the school widely and efficiently uses the Internet. Declan Byrne speaks of “blended education” that is a training aimed at the effective use of rich pedagogical experience. This approach can be based on the use of various methods of providing information, organizing education and information technologies in the learning process, as well as organizing traditional events in individuals and groups.

Students do not get tired of such innovative approaches, but rather are motivated. The main problem is to ensure a mutually balanced methodology and achieve high efficiency based on low costs, in particular for Internet broadcasting.

Blended learning is based on the following components:

- Classes in the classroom are taught through online courses;
- Seminars and face-to-face sessions - discuss the most interesting and important aspects of the subject or study material;
- training materials are generated in electronic or paper form, with a multimedia design;
- the use of online chats, forums, email;
- Individual and group online projects;
- A virtual room for training and communication;
- Audio and video lectures, animations and simulations.

Results. At the present stage, another type of online education is the “webinar” (the term was introduced in 1998). The webinar involves the creation of interactive learning technology for web technologies. This technology not only provides information to the audience, but also allows them to communicate (verbally, in writing), that is, they can share ideas and express themselves in the form of seminars. In other words, a modern education system based on the Internet. Today we can safely say that the above innovative forms of education are being introduced into the learning process at the university. In particular, for the second, the Languages Chair of the Tashkent Pharmaceutical Institute and Andijan State Medical Institute have been conducting practical classes in foreign languages, Latin and medico-pharmaceutical terminology in the classroom through online courses.

Conclusion. The concept of continuous professional development can be defined as “the individual responsibility of pharmacists for the systematic maintenance, development and expansion of the volume of knowledge, skills and attitudes to ensure continued competence as specialists throughout their career”. The need to create a new modern training system for

the pharmaceutical industry is dictated by the specialization and differentiation of the activities of the pharmaceutical market, which will entail the need to change approaches and curricula. Accordingly, pharmaceutical training programs should also change. Only a good specialist who has mastered the latest information, communication and innovative educational technologies can benefit his society. And today, improving the training of pharmaceutical personnel by achieving international standards of professional training for pharmaceutical industry specialists and scientific and pedagogical personnel, integration into the European educational space is a key link in the effectiveness of the system of providing pharmaceutical assistance to society.

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