

The process of higher education system and in-service training based on webinar technologies

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Abstract. *This work is devoted to the enhancement of the professional development of the leaders and teaching staff of the higher educational institutions based on webinar technologies. The work deals with the issues of the quality assurance, the normative-jurisdictional basis of the professional development in the educational system, the foreign experiences of the educational system with webinar technologies, the theoretical and practical basis of the quality assurance, the strategic directions of the consortium development, the impact factors on the effectiveness of the professional development, the ways of the implementation of webinar-based education in Uzbekistan.*

Key words: *Webinars, information, communication, technology, innovation, modernization of e-learning module, interactive, Internet, portal, virtual classroom, distance learning, marketing, customer satisfaction, company website, online seminars, synchronous, video, computer, laptop, the tablet; Microphone, headphones, webcam, speakers, conference, slides, video, object, concept design, hosting, Skype, teleconference.*

The impact of the development of information and communication technologies, on all areas of human activity along with the development of society has caused significant changes in the education system, leading to the emergence of new innovative forms of teaching. One of the promising areas for improving the efficiency of the learning process is the creation of an e-learning environment, which involves the widespread use of information and communication technologies in the learning environment.

In the period of reforming and modernizing the higher education system, it is necessary to use innovative educational technologies to ensure that students are equipped with common sense, new thinking, modern scientific knowledge. Such advanced training courses based on new, innovative technologies will help to improve the quality of higher education. One of the important priorities is the establishment of cooperation between higher education institutions and the process of professional development, the implementation of best international practices, international standards and modules in the organization of training.

The application of webinar technologies in the process of higher education systems enhances education for a person as learners have a wider flow of information, changes the mindset of educators and learners, each interacts to have the information they need.

It should be noted that the Law On Education and the National Training Program have become an important factor in creating a new, effective national model of training qualified personnel in our country. This system contributes to the radical reform of education, the integrated development of education as a single educational and scientific-industrial complex, improving the quality of education and its place in the system of international educational services.

As a result of large-scale work on radical reform of the higher education system, today the country's universities are effectively operating as educational institutions with potential scientific and pedagogical staff, modern curriculum, material and technical base and educational and scientific laboratories.

Today, the dramatic changes in socio-economic life require the use of various sources of implementation of new information and communication technologies in higher education.

The main tasks of the work are to study the system of in-service training through a webinar, which is one of the elements of e-learning, to study the approaches to improving work efficiency and quality.

We all know that the 21st century is recognized as the information age. Uzbekistan has also been carrying out large-scale reforms in the field of public information since the 2000s. The introduction and effective use of information and communication technologies in the educational process is also one of the pressing issues at the level of public policy.

The procedure for organizing webinars is carried out through the Internet services. First of all, it is required to register on the necessary portals that serve the organization of webinars and access to virtual classes (web class, V-class). Services here can be paid or free. The number of participants in the webinar should not be more than 20 people when providing free services. At the same time, paid services have a wide range of opportunities. V-classes can be equipped with additional equipment to conduct surveys among webinar participants, as well as to test them.

Currently, the number of companies using webinar technology in sales, marketing, communications, customer support, distance learning and other fields is gradually increasing. This trend has been evident since 2009. In early 2010, a new portal www.webter.ru was developed for the webinar. One of the new information and communication technologies of education, which was first tested in 2011 and later widely used in practice, began to be widely used in webinar education.

It is an online event organized through a webinar or web-seminar-Internet, in which all users can participate from their workplaces on computers equipped with the necessary equipment. The webinar allows you to work with online presentations (Power Point), trade meetings, trainings, synchronous presentation of sites, video files and images, documents and software applications (Word, Excel, etc.). The webinar can be attended by several hundred participants at a time, with one or more participants being the webinar leader-speaker.

The following devices will be needed to implement and organize the webinar:

- Computer or laptop, tablet connected to the Internet;
- headphones with a microphone;
- webcam.

To do this, the user who wants to participate in the webinar will need only a laptop connected to the Internet or a computer equipped with headphones (speakers). If a listener wants to participate in an audio or video conference during a webinar, he or she will also need a microphone and a webcam.

Technical features of webinars:

- Video and audio transmission to participants;
- communication between teachers and students through chat;
- presentation of slides and videos;
- drawing graphic objects;
- placement of files for information exchange.

The possibilities of methodical webinars include:

- to establish communication between the teacher and the listener at a certain time;
- to conduct thematic seminars from students;
- to protect the performed independent work;
- to organize team work on the project;
- to carry out testing of students with visual control of the test process.

The teacher should have the following experience in conducting the webinar:

- Experience in conducting classroom classes (lectures and seminars);
- have a modern pedagogical and theoretical knowledge of ICT;
- at least know the techniques of making presentations in Power Point and the use of social services on the Internet.

In organizing a webinar by the teacher:

- to stop the microphone, camera operation, presentation of documents in various formats;
- to make a presentation on slides;
- if necessary, separate the elements of the presentation using drawing tools;
- Opportunities to conduct surveys and get acquainted with the results of interactive work with webinar participants;
- to test students;
- to Present and demonstrate a new software, if necessary, as well as additional features.

In conclusion, for achieving a main goal - it is the order of implementation of webinars, and to make an appropriate concept and the joint activities of webinar participants.

The webinar will be organized in three stages:

1. a preparation for the webinar.
2. Webinar process.
3. Summary of results. (having feedback from participants, evaluating the effectiveness of the webinar).



Microsoft Office Live Meeting (<http://www.livemeetingplace.com/webinar/>) with Hosting offers \$ 45 per month (for first participant) and \$ 15 per subsequent participant for its decision. It offers good quality service for up to 1250 participants, but expensive prices are set. You can order a product presentation before you buy.



From Skype Microsoft (<http://www.skype.com>) - this program allows you to make free video conversations between two interlocutors via the Internet anywhere in the world. The program also has the following advantages.

It is possible to re-view the image of the deleted interlocutor on the screen, video recording.

The disadvantage is that when the number of participants in teleconferences exceeds 3 to 5 people, the monthly fee is 6.95 euros (sometimes promotions and special rates are set). Additional advantages - Skype has an interface in Russian. The biggest drawback: Skype does not serve as a platform for webinars, it is only a tool for video negotiations.



<http://www.beamyourscreen.com/>

The company provides completely free webinar services for non-commercial use, but the number of listeners should not be more than 10 people. There is an analogy in Russian - mikogo.



<http://www.mikogo.ru>

Interesting sites and blogs with detailed product descriptions provide extensive product information. In addition to the Pomimo service webinars service, the company provides soft access to deleted data from the desktop.



<http://www.wiziq.com>

The standard tariff plan is \$ 19.95 per month for more than 25 listeners. Free 30-day testing is available for all tariff plans. Although the interface is in English, many CIS business trainers use this platform. In addition, there are catalogs of courses, which are not expensive, and have the opportunity to advertise for Russian-speaking audiences.

Distance education has its own methodological, economic, social achievements and advantages, as well as its own disadvantages and negative sides.

Methodological achievements and advantages include:

- Convenience of lesson schedule. The student can participate in the learning process at any time.
- Easy to use addresses. The student can participate in the learning process from an internet club, home, hotel, workplace and other places.
- Convenient reading pace. Education is conducted at the pace of students' understanding of new knowledge.

- Convenient curriculum. Curriculum can be organized for students in accordance with the requirements of individual and state education.

- Database collection. Opportunity to collect and use the knowledge of previous students.

- Demonstration facilities. Full access to multimedia capabilities. - Involvement of qualified teachers in the educational process.

Economic benefits and advantages include:

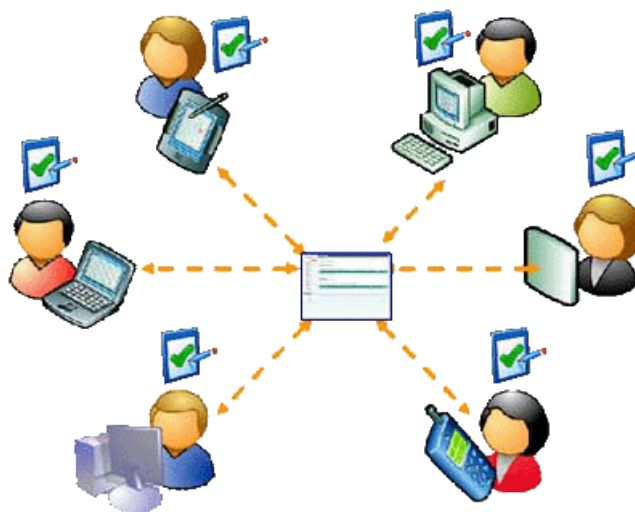
- Unlimited distance learning. The distance between teacher and students does not matter.
- Not to interfere with the work process. The student is educated in an inseparable way from work.
- to Increase the number of students. The number of students in an educational institution that fully uses distance learning technologies can increase by 2-3 times.

- Price. Distance learning courses are 2 and 3 times cheaper than regular courses.

Social achievements and benefits include:

- Lack of division into social groups. Secondary or additional students in the distance learning course, those wishing to improve their skills and retraining, students wishing to receive a second parallel education, residents of remote, underdeveloped areas, people with disabilities, people in military service, people with limited mobility and others may participate.

- No age restrictions. Age restrictions on enrollment are excluded.



But, it should be noted that distance education also has its disadvantages. We can include the following:

- Lack of confidence in e-learning and communication processes. For this reason, students tend to study in simple (full-time and part-time) types of education rather than in a virtual type of education.

- Lack of state distance education standards and, as a result, no issuance of state-issued diplomas. For this reason, many distance learning course graduates are issued only a certificate or diplomas of completion of that course.

- Connection with virtual environment and hardware. Distance education refers to the availability of the Internet, the cost of using it, the speed and availability of services, the availability and operation of special communication techniques.

In conclusion, I would like to emphasize that today the introduction of new information technologies in the education system is an important issue. Virtual education, which is one of the modern information technologies, also creates new opportunities for students to learn. The virtual entity education system is now a new innovative process in education that is seen as the future foundation of the education sector. Using a webinar service that is an element of the distance education system can save time and material resources. In this project, the following concepts related to these issues are considered:

- The role and importance of modern information and communication technologies in improving the effectiveness of the system of retraining and advanced training of teachers were studied and recommendations for their effective use were formed.

- A detailed description of the use of technical and methodological tools for the organization of distance learning aimed at increasing the effectiveness of education.

- Webinar technology, which is an element of distance learning in the organization of education, was analyzed and its content was revealed. Based on the analysis and research, suggestions were made on the advantages and disadvantages of webinar technology.

Higher education institutions have developed conclusions and recommendations for improving the effectiveness of the use of webinar technologies in the development of pedagogical and technological knowledge required in the process of retraining and advanced training of managers and teachers:

- The organizational and legal basis for the introduction of modern information and communication technologies in the education system;

- The process of organizing advanced training based on webinar technologies is theoretically based;

- Conclusions on the opportunities for the study and use of advanced foreign experience in the organization of the educational process based on webinar technologies;

- The mechanism for organizing the training process based on webinar technologies and conclusions on improving its current status;

- Analysis of the organization of the training process based on webinar technologies, methods of managing its activities and ensuring its effectiveness;

- The factors influencing the effectiveness of training activities based on webinar technologies were studied and evaluated;

The possibility of using the experience of international standards in the organization of the training process based on webinar technologies in the national education system was analyzed;

- proposals and recommendations to improve the effectiveness of training activities based on webinar technologies are made.

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