

Algorithms and Tools of Organizing Distance Education in the Educational Process

Nazarov F, Usmonov E, Saydullayev Q., Shakarov N.
Uzbekistan-Finland Pedagogical Institute, Samarkand State University
erkinusmonov1822@gmail.com

Abstract:

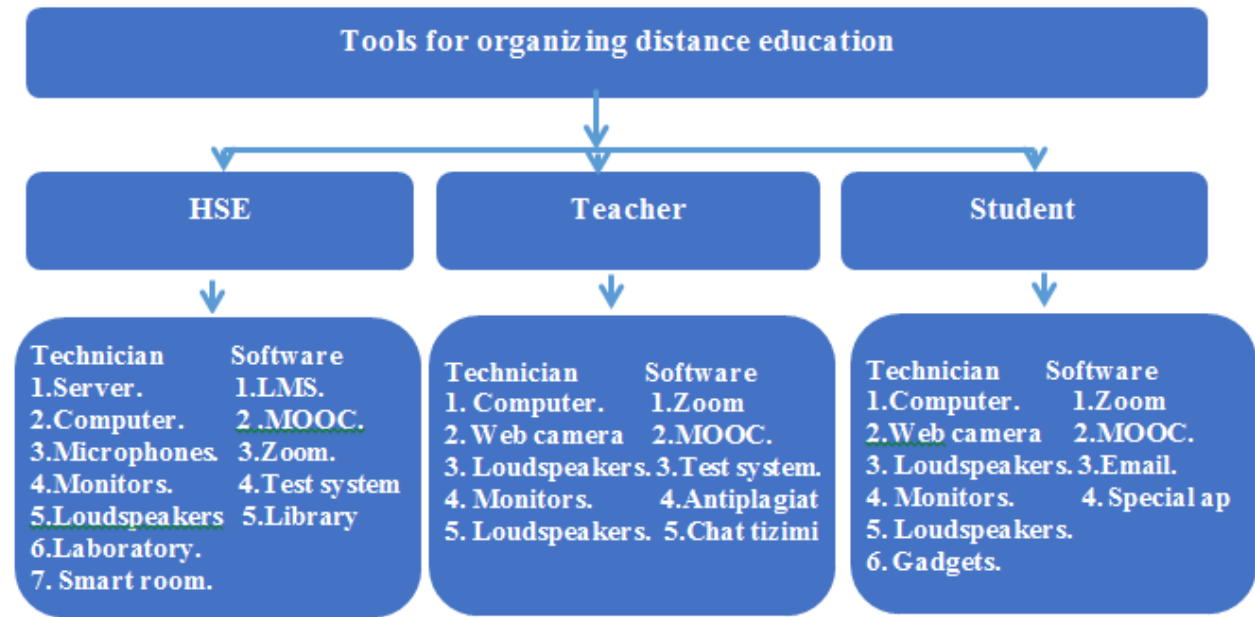
This article describes the algorithm and means of distance education organization in the educational process. The study describes the main technical and software tools and methods of their use in the organization of distance education.

Keywords: Distance education, algorithm, hardware, software, LMS, MOOC, management systems.

Currently, the rapid development of digital technologies creates opportunities for high-quality implementation of educational forms at a distance. Distance education is an educational complex based on tools that exchange educational information remotely, the teacher provides educational services to all strata of the population and foreign students with the help of a special information environment. So, distance education is a process in the distance education complex. Distance education and distance education have their own characteristics, pedagogical system, necessity and purpose. The structural signs of distance learning are: educational institution, teacher, student, communication. To carry out the educational process on the basis of distance education, it will first be necessary to formulate the mechanisms for the remote implementation of the stages of the educational process. In the educational process of a higher educational institution, mechanisms for the remote implementation of the stages of the educational process are initially formulated based on the following algorithm for the organization of masaphobic education:

1. Technical means of distance education for higher education will be developed;
2. Software tools for distance education will be developed for higher education;
3. Technical means of distance education are developed for higher education teachers;
4. Software tools for the implementation of distance education will be developed for higher education teachers;
5. Technical means of distance education for higher education students will be developed;
6. Software tools for distance education will be developed for higher education students.

The steps of the above algorithm can be implemented through the following scheme.



The following can be noted as methodological materials of distance education. Audio and video textbooks, Online textbooks (web page), Electronic libraries, Tests, Multimedia - electronic textbooks. In distance education, it is impossible to organize the educational process without the following basic tools

Server serves to manage all distance education systems in the higher education system.



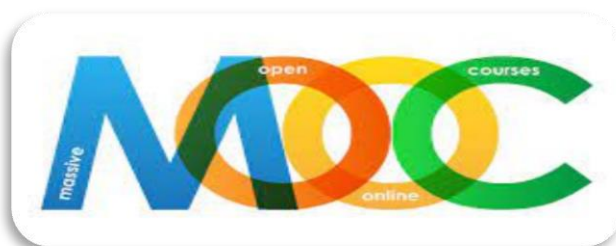
LMS - Educational management system, through which the possibility of complete management of distance education is created.



Control programs. Monitoring of students' knowledge in higher education institutions is carried out by means of intermediate and final types of monitoring.



MOOC- Open public online courses, on the basis of which it is possible to manage additional resources of distance education and carry out independent educational assignments.



Algorithms and means of organizing distance education in the educational process based on the above technical and software tools.

References

1. Nazarov F., Dusanov R., Saydullayev Q. O'quv jarayonini boshqarishda raqamli texnologiyalarni qo'llash usullari va ularning samaradorligi. O'zbekiston Milliy Axborot agentligi Ilm-fan bo'limi (elektron jurnal) 2022 yil aprel oyi soni. №4 2022.365-372-b.
2. F.M.Nazarov, E.Usmonov, R.Do'sanov. O 'quv jarayonida masofaviy ta'lim vositalarini qo'llashning dasturiy vositalari. Muhammad Al-Xorazmiy nomidagi Toshkent axborot texnologiyalari universiteti. Iqtisodiyot tarmoqlarining innovatsion rivojlanishida axborotkommunikatsiya texnologiyalarining ahamiyati. Respublika ilmiy-texnik anjumani. Toshkent, 10-11-mart, 2022 - yil.495-497.b