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PROSPECTS FOR THE DEVELOPMENT OF DISTANCE EDUCATION (IN THE EXAMPLE OF KARSHI STATE UNIVERSITY)

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ABSTRACT

The article is based on the work done by Karshi State University in the framework of the project "New technologies in forming education process in high education institutions of Uzbekistan" with the investment of the World Bank for the development of distance education, the work done by the university in the introduction of distance learning.

KEYWORDS: *Distance Learning, Technology, Software Products, Software, Moodle Platform, Server, Workstation, Project*

INTRODUCTION

We know that the recent changes in the world have necessitated reforms in the field of education. Due to quarantine, the form of education in higher education institutions of Uzbekistan, as well as in many educational institutions around the world, has been determined remotely. In February 2019, the specialists of Karshi State University launched the project "New technologies in the organization of the educational process in higher education institutions of Uzbekistan" on the basis of the AIF Fund of the World Bank. As part of the project, the focus was on increasing the effectiveness of students' independent learning, and a mechanism for the full implementation of independent learning was formed. Initially, 1st year courses in applied mathematics and computer science, chemistry, philology, and language teaching were selected as experiments. All

subjects in these areas were registered on the Moodle platform and students were provided with electronic resources on the platform. In the 2019-2020 academic year, these areas of study began to fully master all the subjects intended from the curriculum through the distance learning platform, in addition to the platform. Bukhara State University professors for applied mathematics, computer science and chemistry, philology and language teaching: professors from Belgorod National Research University (Russian Federation) participated in the study of English as an expert and assessed students' knowledge.

THE MAIN FINDINGS AND RESULTS

The main goal of the project is to apply transparency-based technologies for the assessment of students' knowledge, to create the preconditions for the introduction of distance learning, to develop an improved mechanism for evaluating the performance of teachers. The model of the project is shown in Figure 1 below.

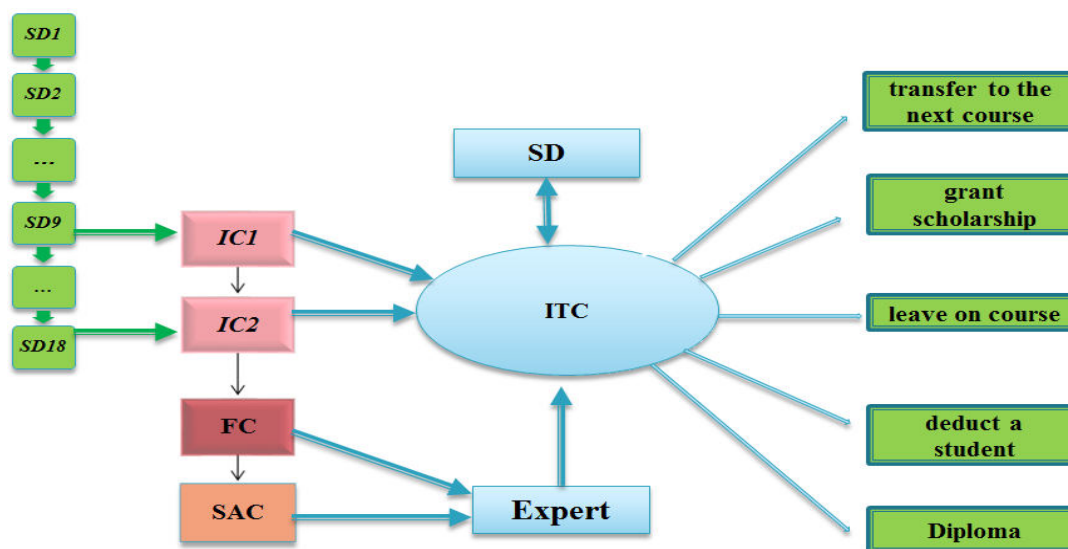


Figure 1. Model of the project

Here SD1, SD2,... SD18 - independent Study (independent assignments), IC1, IC2, FC - types of control, respectively, FSC - final state certification, EMM - educational and methodical management, ITC - information technology center.

Within the framework of the project, the material and technical base of the university has been sufficiently strengthened. Server device, Canon 5325i, Canon 2520 devices, AVER 520 camera, CANON 6D camera, more than 60 modern computers were purchased. We present the work done on the basis of:

The server device is installed in the central server room of the university, allows the installation of a distance learning platform and extensive use of the system (Figure 2);

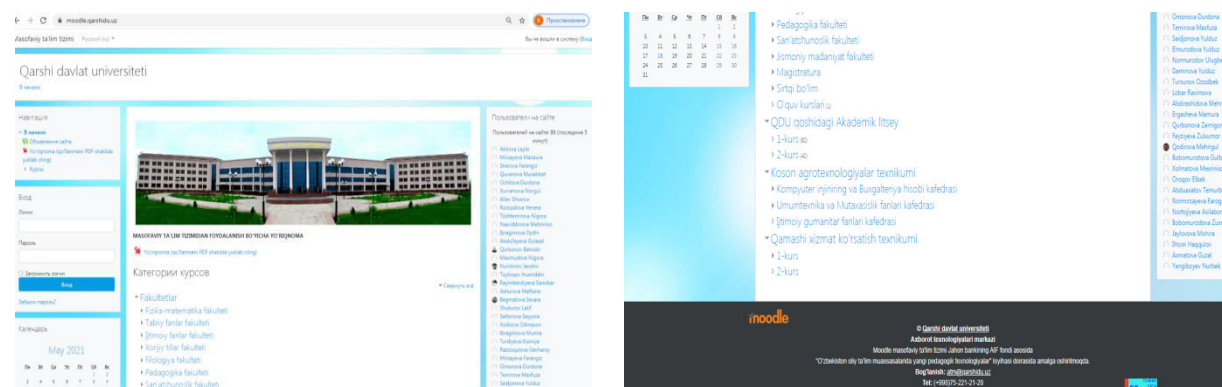


Figure 2. Overview of the Moodle platform

Evaluation of Canon 5325i, Canon 2520 devices as well as test runtests were conducted among the students using automation software and verification was set up using the above hardware. With the help of AVER 520 camera, high-quality video conferencing, on-line webinars, on-line lectures were organized, as well as a distance learning center was established at the Faculty of Physics and Mathematics of the university. Using the CANON 6D camera, professors and teachers record videos of lectures and laboratory classes. In general, the creation of e-textbooks, e-textbooks remains the main task; Computers - More than 60 computers were purchased under the project. All computers are state-of-the-art computers, 30 of which were transferred to the Information Resource Center, 15 to the Faculty of Pedagogy, and 15 to the Department of Applied Mathematics, which is involved in the project. Its main purpose is to strengthen the material and technical base of the university, to support distance learning and to create adequate conditions for students.

As part of the project, the university's distance learning platform was created. The platform operates at <https://moodle.qarshidu.uz>. Initially, the platform included only applied mathematics and computer science, chemistry, philology and language teaching: 1st year courses in English language teaching and their subjects taught. This process took 6-7 months. It is known that in our country, as in the rest of the world, due to the spread of coronavirus, the quarantine regime has been strengthened and the transition to a distance system in self-education. The work we have already started in the framework of our project has given an experimental role to the system, professors and students, which was in operation until the quarantine period. Admittedly, this was a great opportunity to transfer to distance learning at the university. From April 1, 2020, all subjects at the university have been placed on the platform and education has been transferred to a distance form. As of April 15, 2020, 1830 subjects were placed on the distance learning platform at the university.

TABLE 1

Faculties	Number of subjects	Daytime shift	Distance Learning
Physics and Mathematics	209	129	80
Natural Sciences	202	158	44
Social Studies	292	226	66

Foreign Languages	357	357	0
Philology	155	120	35
Science of Art	208	162	46
Pedagogy	243	138	105
Physical Education	71	45	26
Department of Master's Degree	93	93	0
Distance Learning	402	0	402
TOTAL	1830	1428	402

Electronic resources for all subjects have been posted and updated. It is enriched with elements such as lecture, assignment, test, seminar, glossary, forum, chat, database, book, hyperlink, folder, file, page. Interactions between professors and students are established on the platform.

To date, as a result of a sharp increase in the number of students, a distance learning platform has been developed for part-time students at <https://sirtqi.qarshidu.uz> and subjects are introduced and used by professors and teachers. The project also provides a platform for evaluating the performance of teachers on a 110-point scale. This, of course, plays an important role in improving the quality and effectiveness of education.

CONCLUSION

We can note that Karshi State University has done a lot to create the preconditions for distance learning, the use of technologies based on transparency in the assessment of students' knowledge, the creation of an automated system for evaluating the performance of teachers. This means that the introduction of digital technologies in higher education will facilitate the work done in the system, as well as increase the efficiency of education.

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