

IMPORTANT ADVANTAGES OF ORGANIZING THE EDUCATIONAL PROCESS IN A DIGITAL TECHNOLOGY ENVIRONMENT

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ANNOTATION

In this article, the important problems related to digital transformation in higher education institutions, the introduction of digital tools and technologies into the learning and teaching process, existing systems, the introduction of digital transformation processes into education, the use of digital technologies and methods are discussed. specific features are discussed.

Keywords: digitized educational resources, professional training, technopark, digital transformation, software tool, mobile application.

In the course of the world education system, raising the intellectual development of the young generation to a new level in terms of quality, introducing innovative forms and methods of education into the educational process occupies an important place in the development of society. In the current conditions in which science and technology are developing at a rapid pace, the demand and need for the development of industrial sectors, training of competitive personnel, and creative specialists in the world is becoming stronger. Therefore, it is important to gradually provide teachers and educational institutions with digitized educational resources, computers, interactive whiteboards, tablets and other equipment, and develop electronic interactive educational tools.

New methods of imparting knowledge to the younger generation are being used worldwide to improve the quality of education and improve it based on digital technologies. The United Nations Educational, Scientific and Cultural Organization (UNESCO) is paying great attention to the use of digital educational resources in the process of improving educational programs in the continuous education system and in the process of training and professional development of pedagogues in the field.

Decree of the President of the Republic of Uzbekistan No. PF-5847 of October 8, 2019 "On approval of the concept of development of the higher education system of the Republic of Uzbekistan until 2030", No. PF-6079 of October 5, 2020 "Digital O' Uzbekistan - 2030 "on measures to approve the strategy and its effective implementation", No. PF-6108 of November 6, 2020 "Measures for the development of the fields of education and science in the new development period of Uzbekistan" "On Activities", No. PF-60 of January 28, 2022 "On the Development Strategy of New Uzbekistan for 2022-2026", No. PQ-289 of June 21, 2022 Active

introduction of digital transformation into the educational process in the implementation of the tasks defined in the Resolution "Increasing the quality of pedagogical education and further developing the activities of higher education institutions training pedagogues" and other regulatory legal documents important ahm earns respect.

In the last few years, the use of electronic resources in the process of digitalization has become one of the main trends in the industry and public sector of many countries. It defines the transition from digitized e-learning resources to the mass use of digital technologies in various sectors of the economy and society that improve or replace traditional products and services. According to the World Economic Forum, digital transformation offers an enormous potential of several trillion dollars for innovation and spans many industries and social trends (e.g. science, government, etc.). The digital transformation of society not only significantly changes industrial and economic structures, but also introduces new elements in civil, entrepreneurial, state and interstate circulations.

Currently, the use of digital educational programs is developing rapidly. Modern higher education institutions are changing the practices of mastering new technologies, models and processes of development of educational systems. Digital transformation in higher education institutions consists in the development of more advanced and effective new methods and practices for the purpose of higher education. This dissertation research links digital learning resources and higher education institutions. Based on the analysis of existing models of the use of digitized educational resources in higher education institutions, appropriate suggestions and recommendations are being developed. Also, there are many problems faced by higher education institutions in the pursuit of transformation in education as a result of effective use of digitalized educational resources.

For centuries, higher education institutions have played the role of the main driver in creating and disseminating knowledge, as well as ensuring the development of society. Modern institutions of higher education adopt new technologies in the path of development, create their own image and change the practices of organizing the educational system, activity models and processes based on increasing the effectiveness of education. Ensuring educational transformation as a result of the use of digitized educational resources in higher education institutions is related to the development of more advanced and effective new methods and practices for the implementation of the tasks set before higher education.

A number of studies also highlight that digital transformation is not just about incorporating technology into business processes. Rather, digital transformation is the process of analyzing the needs and demands of stakeholders and ensuring the provision of education and research services that meet the knowledge needs of students. Educational institutions around the world are gradually undergoing digital transformation, which ensures that students' learning is supported by digital tools.

In the education system, there is growing concern about how knowledge governs its position in society. Higher education institutions face important problems related to digital transformation, not only the introduction of digital tools and technologies in the learning and teaching process, but also the problems of introducing existing systems, processes, and mastering technologies. . Communication methods and channels and all other academic and

administrative activities involved in the institution are used in digital transformation processes.

A number of digital tools and technologies have been developed to meet the changing learning needs of students. Around the world, virtual learning platforms have been created with new simulation methods of different learning. However, in order to achieve the digital transformation required by this era, higher education institutions are required to organize systematic activities based on targeted concepts aimed at specific development. In order to innovate and improve the service and education system of educational institutions, it is necessary to consider digital transformation to the maximum extent, taking into account all the areas where there is a need to introduce digital technologies. In this:

1. In order to meet international standards, it is necessary to adhere to such policies and standards that demonstrate the reputation of higher education institutions that support students with advanced learning mechanisms and delivery of knowledge adapted to educational programs. . In this thesis, through a comprehensive review of the relevant literature, general information about the implementation of the transformation of the educational process based on digitized educational resources in higher education organizations will be given.

2. Information on the use of digitized educational resources. Currently, the tendency to implement digital transformation in the educational system is manifested as one of the priority directions of the activities of educational institutions, in particular, higher educational institutions.

The wide spread of digital technologies, their penetration into almost all aspects of human and social life, is reflected in the concept of digital transformation. The advantages of digital technologies lead to qualitative changes in the management of educational systems.

If we accept that the general goal of the effective organization of the process of using digitized educational resources in the higher education system and the transformation of processes in education is to change and improve the economic and material processes accompanying them, the analysis There are three different directions needed:

- changing and redefining educational services in accordance with the changes in the system of economic and material processes of the university;
- changing educational processes aimed at creating and improving entrepreneurial processes in new IT-based education as a basis for further analysis and change of educational services;
- combine the first and second directions to combine the transformation in both directions at the same time.

In the system of higher education, special attention is paid to the processes of creating digitized educational resources, implementing digital technologies of education and management, and using the services of electronic platforms and sites. An integral part of this process is the development of implementation mechanisms to attract digital technologies to higher education institutions based on foreign experiences and improve educational programs and teaching methods.

Based on the results of the analysis, we can conclude that the educational content management system can serve as an integration point for the implementation of the digital transformation strategy. New target groups of students and formats of educational services require adapted support of learning management systems compared to traditional student groups, because

teaching and learning concepts and materials differ from traditional ones. According to the authors, to facilitate this adaptation, the educational content management system of HEIs should be flexibly adapted to the individual needs of the student and integrate the main elements and tools of the existing and future educational process that support different stages of learning.

REFERENCES

1. Jo'rayev, M. (2022). Professional ta'lim jarayonida fanlararo uzvilik va uzliksizlikni ta'minlash o'quvchilari kasbiy tayyorgarligining muhim omili sifatida. Zamonaviy dunyoda amaliy fanlar: Muammolar va yechimlar, 1(29), 43-46
2. Juraev, M. M. (2021). OA Qo'ysinov Description of the methodological basis for ensuring interdisciplinary continuity of the subject "Computer Science and Information Technology" in vocational education. JournalNX-A Multidisciplinary Peer Reviewed, 7(10). 4
3. Mansurjonovich, J. M. (2021). Experience Of Cambridge Curricula In Ensuring The Continuity Of Curricula In The Field Of "Computer Science And Information Technology" In The System Of Professional Education. The American Journal of Interdisciplinary Innovations Research, 3(11), 26-32. 3
4. Juraev, M. M. (2021). PEDAGOGICAL CONDITIONS FOR THE DEVELOPMENT OF VOCATIONAL EDUCATION THROUGH INTERDISCIPLINARY INTEGRATION INTO THE VOCATIONAL EDUCATION SYSTEM. In НАУКА, ОБРАЗОВАНИЕ, ОБЩЕСТВО: АКТУАЛЬНЫЕ ВОПРОСЫ, ДОСТИЖЕНИЯ И ИННОВАЦИИ (pp. 110-112).
5. Juraev, M. M. ZY Xudoyberdiyev Theoretical analysis of the continuity model of computer science and information technology in the System of professional education. European Scholar Journal (ESJ)//ISSN (E), 2660-5562. 3
6. Juraev, M. M. (2022). Theoretical and practical principles of improving the content of the pedagogical activity of ICT teachers of professional educational institutions in the conditions of information of education. 2
7. Mansurjonovich, J. M. (2022). CURRENT STATUS OF THE SCIENCE OF INFORMATICS AND INFORMATION TECHNOLOGIES IN THE PROFESSIONAL EDUCATION SYSTEM, EXISTING PROBLEMS AND SOLUTIONS, PRINCIPLES AND CONTENT OF THE SCIENCE ORGANIZATION. Galaxy International Interdisciplinary Research Journal, 10(12), 327-331.
8. Mansurjonovich, J. M. (2022). Professional Educational Institutions Theoretical and Practical Basis of Development of the Content of Pedagogical Activity of Teachers of "Information and Information Technologies". Texas Journal of Engineering and Technology, 15, 49-53. 1
9. Mansurjonovich, J. M. (2022). METHODOLOGICAL FOUNDATIONS FOR IMPROVING THE CONTENT OF TRAINING FUTURE ICT TEACHERS IN THE CONDITIONS OF DIGITAL TRANSFORMATION OF EDUCATION. АКТУАЛЬНЫЕ ВОПРОСЫ СОВРЕМЕННОЙ НАУКИ И ОБРАЗОВАНИЯ
10. Jumakulov, X. Q., and N. A. Makhmudova. "INDIVIDUAL RISK SOME ISSUES ABOUT THE MODEL." Open Access Repository 8.12 (2022): 554-560.

11. Jumakulov, X. Q., and N. A. Makhmudova. "SOLUTIONS OF SOME PROBLEMS ON RISK AND ITS INSURANCE OPPORTUNITIES IN ACTUARIAL MATHEMATICS." *Conferencea* (2022): 37-41.
12. Kodiralievich, Zhumakulov Khurshijon, Ergashev Akram Ahmadhuzhaevich, and Abdullaeva Kumushbib. "TEACHING THE SUBJECT" PROBABILITY THEORY" IN KSPI TAKING INTO ACCOUNT THE MODERN EDUCATIONAL CONDITIONS OF THE REPUBLIC OF UZBEKISTAN." *Open Access Repository* 8.12 (2022): 262-267.
13. Ergashev, A. A., and H. Q. Jumakulov. "INNOVATIVE AND INFORMATION TECHNOLOGIES FORMATION OF STUDENTS'KNOWLEDGE, SKILLS AND ABILITIES." *Galaxy International Interdisciplinary Research Journal* 10.12 (2022): 162-168.
14. Usmonova, M., and M. Mo'Minova. "O'QUVCHILARNING BIOLOGIYA FANIDAN KREATIV FIKRLASH QOBILIYATINI RIVOJLANTIRISHDA XALQARO PISA DASTURINING AHAMIYATI." *Science and innovation* 1.B7 (2022): 1254-1257.
15. Turdaliev, A., M. Usmonova, and R. Matholiqov. "ОЛИЙ ТАЪЛИМ ТИЗИМИДА ЎҚИТУВЧИНИНГ МЕТОДИК КОМПЕТЕНТЛИГИНИ МОЎИЯТИ." *Science and innovation* 1.B6 (2022): 450-455.
16. MS, Usmanova, and N. M. Abdibannonjva. "Use of Modular Teaching Technology in Biology Education." *INTERNATIONAL JOURNAL OF INCLUSIVE AND SUSTAINABLE EDUCATION* 1.5 (2022): 272-274.
17. Muydinovich, Rasulov Inom, Mamadjanova Svetlana Valentinovna, and Maxkamova Dilshoda Xabibjonqizi. "THE ROLE OF INFORMATION TECHNOLOGY IN MODERN METHODS IN THE SYSTEM OF HIGHER EDUCATION." *International Journal of Early Childhood Special Education* 14.7 (2022).
18. IE, Ravshanova, Shermatova Yo S, and Meliboyev TT. "EMERGENCIES OF A SOCIAL COLOR." *International Journal of Early Childhood Special Education* 14.7 (2022).
19. Meliboyev, T. T. "ENVIRONMENTAL EMERGENCIES THEIR CLASSIFICATION AND DESCRIPTION. Protection MAKING EVENTS." *INTERNATIONAL JOURNAL OF SOCIAL SCIENCE & INTERDISCIPLINARY RESEARCH* ISSN: 2277-3630 Impact factor: 7.429 11.12 (2022): 212-219.
20. Usmonova, M., and M. Mo'Minova. "O'QUVCHILARNING BIOLOGIYA FANIDAN KREATIV FIKRLASH QOBILIYATINI RIVOJLANTIRISHDA XALQARO PISA DASTURINING AHAMIYATI." *Science and innovation* 1.B7 (2022): 1254-1257.
21. Turdaliev, A., M. Usmonova, and R. Matholiqov. "ОЛИЙ ТАЪЛИМ ТИЗИМИДА ЎҚИТУВЧИНИНГ МЕТОДИК КОМПЕТЕНТЛИГИНИ МОЎИЯТИ." *Science and innovation* 1.B6 (2022): 450-455.
22. MS, Usmanova, and N. M. Abdibannonjva. "Use of Modular Teaching Technology in Biology Education." *INTERNATIONAL JOURNAL OF INCLUSIVE AND SUSTAINABLE EDUCATION* 1.5 (2022): 272-274.
23. Turdaliev, A., M. Usmonova, and R. Matholiqov. "THE ESSENCE OF THE TEACHER'S METHODOLOGICAL COMPETENCE IN THE HIGHER EDUCATION SYSTEM." *Science and Innovation* 1.6 (2022): 450-455.

24. Alisherovna, Ergasheva Nazokat. "PEDAGOGICAL COMMUNITY AND ITS SOCIO-PSYCHOLOGICAL CHARACTERISTICS." ASIA PACIFIC JOURNAL OF MARKETING & MANAGEMENT REVIEW ISSN: 2319-2836 Impact Factor: 7.603 11.11 (2022): 80-88.
25. Turg'unovich, Meliboyev Tavakkal. "ENVIRONMENTAL EMERGENCIES THEIR CLASSIFICATION AND DESCRIPTION. PROTECTION MEASURES." Open Access Repository 9.11 (2022): 301-305.
26. Rakhimovna, Sadikova Feruzahan. "ANALYSIS OF NATIONAL MODELS FOR THE FORMATION OF ECONOMIC CLUSTERS IN UZBEKISTAN." Open Access Repository 8.12 (2022): 530-535.
27. Raximovna, Sadiqova Feruzaxon. "AGROCLUSTER THEORY BASED ON COOPERATION IN ECONOMICS." Open Access Repository 8.12 (2022): 221-223.