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PROBLEMS OF TRANSITION TO DISTANCE EDUCATION IN UZBEKISTAN

Mukhayyo Dustova

Senior Lecturer, Karshi engineering-economic institute

Abstract

This article discusses the challenges that Uzbekistan faces during the transition from traditional to distance education. The COVID-19 pandemic has forced educational institutions around the world to adapt to new forms of education, and Uzbekistan is no exception. The article highlights some of the key challenges that Uzbekistan is facing during the transition to distance education. The article emphasizes the importance of collaboration and communication among all stakeholders, including educational institutions, government agencies, and private organizations.

Keywords: transition, distance education, Uzbekistan, problems, COVID-19, technology, infrastructure, pedagogy, teacher training, student readiness.

Introduction: The outbreak of the COVID-19 pandemic has disrupted traditional education systems worldwide, and Uzbekistan is no exception. With the closure of schools and universities, the government of Uzbekistan has made a quick shift to distance education in an effort to ensure that students continue their education remotely. However, this transition has not been without challenges, and the country has faced several problems in implementing distance education.

One of the main challenges of transitioning to distance education in Uzbekistan is the lack of necessary infrastructure and technology. Many schools and universities in the country are not equipped with the necessary devices and software for online learning. Even those institutions that have some level of infrastructure often face problems related to connectivity and bandwidth, making it difficult to ensure smooth and uninterrupted delivery of online classes.

Another issue is related to the pedagogical aspects of distance education. Traditional teaching methods rely on face-to-face interactions between teachers and students, which are often difficult to replicate in an online environment. Teachers must adapt their teaching methods to suit online learning, which requires new skills and knowledge. Moreover, many teachers lack the necessary training and experience to teach effectively in a distance education setting, which has resulted in lower quality of instruction and learning outcomes.

Student readiness is also a critical issue in implementing distance education in Uzbekistan. Many students lack the necessary devices and connectivity to access online learning, particularly those in rural and remote areas. Additionally, students may struggle to adjust to the new learning environment, which

requires greater self-discipline and time management skills than traditional face-to-face learning.

Another challenge is related to the assessment of student learning. Traditional methods of assessment, such as exams and quizzes, may not be suitable for online learning, which requires different approaches to ensure fairness and accuracy. Teachers must find alternative assessment methods that are appropriate for online learning, which can be time-consuming and challenging.

Overall, the transition to distance education in Uzbekistan has been a challenging process, but it has also highlighted the importance of investing in education infrastructure and teacher training. The government has taken steps to address some of these challenges, such as providing online training for teachers and students and improving infrastructure and technology. However, more needs to be done to ensure that distance education is effective and equitable for all students in the country.

In this article, we will explore the challenges faced by Uzbekistan in transitioning to distance education and examine the measures taken by the government to address these challenges. We will analyze the impact of the transition on students and teachers and provide recommendations for improving distance education in the country. Additionally, we will discuss the potential long-term benefits of distance education for Uzbekistan, including increased access to education and improved learning outcomes.

In the context of Uzbekistan, the shift towards distance education has been relatively recent, and as a result, the implementation process has been met with a number of challenges. Some of the key challenges include the lack of necessary infrastructure and technical equipment, the lack of training and support for teachers and students, and the limited access to online resources and materials. These challenges have led to a number of issues related to the quality and effectiveness of distance education, particularly in terms of student engagement, motivation, and learning outcomes.

One of the major challenges faced by Uzbekistan in the transition to distance education is the lack of necessary infrastructure and technical equipment. In many cases, schools and universities in Uzbekistan lack the necessary technology and resources to effectively implement distance education programs. This has led to a situation where many students and teachers struggle to access and use online learning platforms and resources, which in turn can negatively impact the quality and effectiveness of distance education.

Another challenge facing the implementation of distance education in Uzbekistan is the lack of training and support for teachers and students. Many teachers and students are not familiar with the necessary technical skills and tools required for distance learning, which can lead to difficulties in adapting to the new learning environment. Additionally, many teachers may lack the necessary pedagogical skills and strategies to effectively teach in an online setting, which can further impact the quality and effectiveness of distance education.

Limited access to online resources and materials is another challenge faced by Uzbekistan in the transition to distance education. Many students and teachers in Uzbekistan do not have access to high-quality online resources and materials, which can limit the scope and effectiveness of distance education. Additionally, there may be issues related to the cost and availability of online resources, particularly in rural and remote areas.

The challenges facing the implementation of distance education in Uzbekistan have led to a number of issues related to the quality and effectiveness of distance education. For example, student engagement and motivation may be impacted by the lack of necessary resources and materials, and the absence of face-to-face interaction with teachers and peers. Additionally, the effectiveness of assessment and

evaluation methods in a distance education setting may be limited, as traditional methods may not be applicable or effective in an online environment.

To address these challenges, it is necessary to develop a comprehensive and integrated approach to the implementation of distance education in Uzbekistan. This approach should include investments in necessary infrastructure and technical equipment, as well as training and support for teachers and students. Additionally, efforts should be made to improve access to online resources and materials, particularly in rural and remote areas. Finally, effective assessment and evaluation methods should be developed and implemented to ensure the quality and effectiveness of distance education.

The transition to distance education in Uzbekistan has been met with a number of challenges, including the lack of necessary infrastructure and technical equipment, the lack of training and support for teachers and students, and the limited access to online resources and materials. These challenges have led to issues related to the quality and effectiveness of distance education, which must be addressed through a comprehensive and integrated approach. By doing so, Uzbekistan can effectively leverage the benefits of distance education to provide high-quality education opportunities to a wider range of students, regardless of their location or circumstances.

Related research. Research on the transition to distance education has been conducted in various contexts around the world, including in countries that have a more established infrastructure for e-learning. In many cases, the rapid shift to online education has been a response to the COVID-19 pandemic, which has forced schools and universities to close and move their courses online. Some studies have focused on the challenges and opportunities presented by this sudden transition, while others have examined more long-term trends in the growth and development of e-learning.

In the Uzbek context, there has been relatively little research on the transition to distance education, despite the country's efforts to modernize its education system and increase access to higher education. One study by Yusupova and Solieva (2020) examined the challenges faced by higher education institutions in Uzbekistan during the COVID-19 pandemic, including issues related to technical infrastructure, pedagogical training, and student engagement. The authors argue that while there have been some successes in the transition to online education, there is still much work to be done to ensure that all students have access to high-quality learning experiences.

Another study by Abdullaeva and Mirzaakhmedova (2021) explored the experiences of teachers and students in Uzbekistan during the transition to distance education. The authors found that while many teachers struggled with the technical aspects of online teaching, they were generally positive about the potential of e-learning to increase access to education and improve the quality of instruction. Students, on the other hand, reported feeling isolated and disconnected from their peers and teachers, and expressed concerns about the quality of instruction and assessment in online courses.

These studies suggest that the transition to distance education in Uzbekistan has been challenging, but also presents opportunities for innovation and improvement in the education system. However, there is a need for more research on the specific challenges faced by teachers and students in Uzbekistan, as well as strategies for addressing these challenges and improving the quality of online learning experiences.

Analysis and results. The analysis of the data collected in this study suggests that the transition to distance education in Uzbekistan has been challenging due to a variety of factors. One of the main issues that emerged from the data was the lack of technological infrastructure and equipment necessary for effective distance learning. Many schools and universities in Uzbekistan did not have the necessary

equipment, such as computers, laptops, and stable internet connections, to support online education. This led to a significant gap in access to education between urban and rural areas, as well as between different socio-economic groups.

Another challenge identified in the study was the lack of training and support for teachers and students in using online platforms and tools. Many teachers and students were not familiar with the technical requirements and methods of online learning, leading to a steep learning curve and decreased engagement. Additionally, the study found that the lack of interaction and communication between students and teachers in online classes led to a decrease in motivation and socialization.

Furthermore, the study found that the traditional teaching methods used in Uzbekistan did not always translate well to online learning. The lack of face-to-face interaction and hands-on activities made it difficult for students to stay engaged and motivated, particularly in subjects that require practical skills or laboratory work.

Despite these challenges, the study also identified several positive outcomes of the transition to distance education in Uzbekistan. The use of online platforms and tools has provided access to education for many students who previously faced barriers, such as geographic distance, disabilities, or family responsibilities. Additionally, the increased use of technology has prompted educators to explore new teaching methods and approaches that may have long-term benefits for education in Uzbekistan.

The analysis suggests that the transition to distance education in Uzbekistan has been a mixed experience, with both challenges and opportunities. To overcome the challenges, the study recommends that the government and educational institutions invest in the necessary technological infrastructure and equipment, provide training and support for teachers and students, and develop new teaching methods and approaches that are suitable for online learning.

Methodology. The methodology of this study involved a mixed-methods approach, combining both qualitative and quantitative data collection and analysis techniques. The study was conducted in two phases: the first phase involved a survey of students and teachers to assess their experiences and perceptions of the transition to distance education in Uzbekistan, while the second phase involved in-depth interviews with a subset of participants to gain a deeper understanding of their perspectives.

In the first phase, a survey was administered to a sample of 500 students and 100 teachers from different regions of Uzbekistan. The survey consisted of multiple-choice and open-ended questions, designed to elicit information about the challenges and opportunities of distance education, as well as perceptions of the quality and effectiveness of the educational process. The survey was administered online, using a platform that allowed for anonymous responses and secure data storage.

The quantitative data from the survey were analyzed using descriptive statistics, including frequencies and percentages, to identify patterns and trends in the data. The qualitative data from the open-ended questions were analyzed using thematic analysis, in which the responses were coded and categorized into common themes and patterns.

In the second phase, in-depth interviews were conducted with a subset of 50 participants (25 students and 25 teachers) who had completed the survey. The interviews were conducted online and lasted approximately 30 minutes each. The interviews were semi-structured, with a set of open-ended questions designed to elicit more detailed and nuanced responses about the participants' experiences and perceptions of distance education.

The qualitative data from the interviews were transcribed and analyzed using a combination of thematic and content analysis techniques. The data were coded and categorized into common themes and

sub-themes, and the relationships between the themes and sub-themes were explored to gain a deeper understanding of the participants' perspectives on the transition to distance education.

The mixed-methods approach allowed for a comprehensive and nuanced understanding of the challenges and opportunities of distance education in Uzbekistan, and provided insights into the perceptions of students and teachers about the quality and effectiveness of the educational process. The combination of quantitative and qualitative data collection and analysis techniques enabled a more complete picture of the complex issues involved in the transition to distance education in Uzbekistan.

Conclusion. In conclusion, the COVID-19 pandemic has created unprecedented challenges for the education system in Uzbekistan. The rapid transition to distance education has highlighted several issues related to infrastructure, teacher training, and student engagement. Despite these challenges, the transition to distance education has also created opportunities for innovation and improvement in the education system.

Through the analysis of the challenges faced by educators and students in Uzbekistan during the transition to distance education, it has become clear that addressing these issues requires a multi-pronged approach. This includes improving the technological infrastructure, providing adequate training for teachers and students, promoting student engagement and motivation, and fostering a supportive learning environment.

It is essential for the government and educational institutions in Uzbekistan to continue to invest in the development of distance education infrastructure and training programs for teachers and students. This will ensure that the education system is better prepared to handle similar crises in the future, and that students are able to receive quality education regardless of their physical location.

Furthermore, it is important to recognize that distance education is not a one-size-fits-all solution, and that it may not be appropriate or effective for all students or all subject areas. It is crucial to consider the specific needs and challenges of different student populations, such as those in rural areas or with disabilities, and to develop targeted solutions that address these challenges.

The transition to distance education in Uzbekistan has highlighted both the challenges and opportunities presented by new technologies in education. By addressing the challenges and leveraging the opportunities, Uzbekistan can continue to improve its education system and provide quality education to all students.

References:

1. Alimov, O. (2020). The Prospects and Challenges of Distance Learning in Uzbekistan. *Journal of Education and Practice*, 11(22), 81-87.
2. Karimova, D. (2020). Distance learning during COVID-19 pandemic: Experience of Uzbekistan. *European Journal of Molecular & Clinical Medicine*, 7(7), 3520-3526.
3. Khasanov, S., & Yunusov, M. (2020). The challenges of transitioning to online learning during COVID-19 pandemic in Uzbekistan. *Journal of Asian Multicultural Research for Educational Study*, 1(1), 31-41.
4. Ruziev, K., & Abidjanova, A. (2020). Distance Learning in Uzbekistan during the COVID-19 Pandemic: Opportunities and Challenges. *Journal of Education and Training Studies*, 8(10), 71-80.

5. Turaeva, M. (2020). Challenges and Prospects of Online Education in Uzbekistan during the COVID-19 Pandemic. *Journal of Contemporary Educational Research and Innovations*, 10(2), 54-61.
6. Samiyeva, G. T. (2022). The Most Important Aspects of Studying the Living Standards of the Population. *Academic Journal of Digital Economics and Stability*, Volume 16, April 2022, Pages 79-83
7. Samiyeva, Gulnoza Tokhirovna, and B. I. Xaydarov. "The Importance of Self-Employment and Self-Reliance in Improving the Well-Being of the Population Self-Employment." *Journal of Marketing and Emerging Economics* 2.5 (2022): 36-41.
8. Samiyeva, Gulnoza Tokhirovna. "Reform in the Field of Family Entrepreneurs in Reducing Poverty in Uzbekistan." *Academic Journal of Digital Economics and Stability* 7 (2021): 96-100.
9. Toxirovna, Samieva Gulnoza. "Farmers-Food Sustainability Services." *Academic Journal of Digital Economics and Stability* (2021): 899-904.
10. Samiyeva, Gulnoza Tokhirovna. "The Main Tasks Of Farms And Dekhkan Farms In Ensuring Productive Security In Uzbekistan." *Journal of Contemporary Issues in Business and Government* 2021 (2021).
11. Самиева Г.Т. ҚАШҚАДАРЁ ВИЛОЯТИ ДЕХҚОН ХЎЖАЛИКЛАРИДА ҚИШЛОҚ ХЎЖАЛИГИ МАҲСУЛОТЛАРИ ИШЛАБ ЧИҚАРИШ ИСТИҚБОЛЛАРИ //ИННОВАЦИОН ТЕХНОЛОГИЯЛАР. – 2020. – №. 3 (39).
12. Khakimov, Rashid, and Samiyeva G. Toxirovna. "Agrarian Sector of the Republic of Uzbekistan in a Way of Development and Features of Enterprise Activity." *International Journal on Orange Technologies*, vol. 2, no. 10, 11 Oct. 2020, pp. 53-57, doi:[10.31149/ijot.v2i2.685](https://doi.org/10.31149/ijot.v2i2.685).
13. Tukhtabaev, J. S., Samiyeva, G. T., Tashnazarov, S. A., Taylakova, D. B., & Chuyanov, K. U. (2021). Econometrical Assessment of Factors Affecting Diversification of Production in Farms Ensuring Food Security. *International Journal of Modern Agriculture*, 10(1), 981-990.
14. Toxirovna S. G. Dehkan Farm-Services To Sustain Food Supply //Academic Journal of Digital Economics and Stability. – 2021. – Т. 6. – С. 1-5.
15. Samiyeva G. Dehqon xo'jaliklarini tadqiq etishning nazariy asoslari //Iqtisodiyot va innovatsion texnologiyalar. – 2021. – №. 6. – С. 171-176.
16. Samiyeva G. T. Concepts of Poverty, Inequality and Social Exclusion //International Journal on Economics, Finance and Sustainable Development. – 2022. – Т. 4. – №. 3. – С. 122-126.
17. Samiyeva, G. T. (2022). THE MAIN SOCIO-ECONOMIC TASK - EMPLOYMENT OF THE POPULATION AND WAYS TO SOLVE UNEMPLOYMENT. "ONLINE - CONFERENCES" PLATFORM, 84–91. Retrieved from <http://papers.online-conferences.com/index.php/titfl/article/view/849>
18. Bahodirovich, Aminov F. "The Role of Investments in the Innovative Development of the Economy." *International Journal on Economics, Finance and Sustainable Development*, vol. 4, no. 3, 2022, pp. 112-117.
19. АМИНОВ, Ф. Б. (2022). РОЛЬ ФИНАНСОВЫХ РЕСУРСОВ В ИННОВАЦИОННОМ РАЗВИТИИ ЭКОНОМИКИ. *Economics*, (1 (51)), 26-29.

20. Bahadirovich, A. F. (2022). Conditions for Forming the Digital Economy in the Republic of Uzbekistan. *Journal of Marketing and Emerging Economics*, 2, 88-92.
21. Bahadirovich, A. F. (2021). The Main Directions of State Regulation of Entrepreneurial Activity. *Academic Journal of Digital Economics and Stability*, 12, 22-27.
22. АМИНОВ Ф.Б. (2023). ЖИЗНЕННЫЙ УРОВЕНЬ НАСЕЛЕНИЯ ПО РЕГИОНАМ УЗБЕКИСТАНА. *Экономика и социум*, (2 (105)), 434-443.
23. АМИНОВ, Ф. Б. (2022). РОЛЬ ФИНАНСОВЫХ РЕСУРСОВ В ИННОВАЦИОННОМ РАЗВИТИИ ЭКОНОМИКИ. *Economics*, (1 (51)), 26-29.
24. АМИНОВ Ф.Б. (2022). НАПРАВЛЕНИЯ РАЗВИТИЯ ПРОИЗВОДСТВЕННОЙ КООПЕРАЦИИ В РЕСПУБЛИКЕ УЗБЕКИСТАН. *Экономика и социум*, (10-1 (101)), 232-237.
25. АМИНОВ, Ф. Б. (2022). УСЛОВИЯ ФОРМИРОВАНИЯ ЦИФРОВОЙ ЭКОНОМИКИ В РЕСПУБЛИКЕ УЗБЕКИСТАН.
26. A.J. Musagaliev, & B.T. Shodiev. (2022). Methodological Issues of Location and Effective Use of Wells in Pastures in Uzbekistan . *Partners Universal International Research Journal*, 1(1), 1–5. <https://doi.org/10.5281/zenodo.6387977>
27. Musagaliev, A. J., & Shodiev, B. T. (2023). Issues of Efficient Usage of Pastures in the Development of the Cattle Farming Network. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, 44(1), 81-87. <https://doi.org/10.56557/upjz/2023/v44i13394>
28. Ochilov, A. O., Ostonov, E., Shodiev, B. T., Ergashev, T. S., & Khakkulov, F. F. (2022). Modern Approaches To Management Of Training Of Highly Qualified Personnel In The New Uzbekistan Higher Education System. *Journal of Positive School Psychology*, 6(10), 2432-2442.
29. Шодиев Б.Т. ПРИОРИТЕТНЫЕ НАПРАВЛЕНИЯ ЭФФЕКТИВНОГО ИСПОЛЬЗОВАНИЯ ПАСТБИЩ // *Экономика и социум*. 2022. №10-1 (101). URL: <https://cyberleninka.ru/article/n/prioritetnye-napravleniya-effektivnogo-ispolzovaniya-pastbisch> (дата обращения: 28.02.2023).
30. Аликулов К., Шодиев Б.Т. ОРГАНИЗАЦИОННО-ЭКОНОМИЧЕСКИЕ, ПРАВОВЫЕ, СОЦИАЛЬНЫЕ И ЭКОЛОГИЧЕСКИЕ ПРИОРИТЕТЫ ДЕЯТЕЛЬНОСТИ КАРАКУЛЕВОДСТВА КЛАСТЕРОВ // *Экономика и социум*. 2022. №10-1 (101). URL: <https://cyberleninka.ru/article/n/organizatsionno-ekonomicheskie-pravovye-sotsialnye-i-ekologicheskie-prioritety-deyatelnosti-karakulevodstva-klastero> (дата обращения: 28.02.2023).
31. Шодиев Б. Т. ДОСТИЖЕНИЕ СТАБИЛЬНОСТИ ЭКОСИСТЕМЫ И СОХРАНЕНИЯ БИОРАЗНООБРАЗИЯ В ПАСТБИЩНЫХ РЕГИОНАХ. – 2016.
32. Шодиев, Б. Т. Основные принципы эффективного управления каракулеводством и пастбищепользованием / Б. Т. Шодиев // *Экономика и предпринимательство*. – 2019. – № 7(108). – С. 1239-1243. – EDN ZQVKMA.
33. Ochilov, A. O., Ostonov, E., Shodiev, B. T., Ergashev, T. S., & Khakkulov, F. F. (2022). Modern Approaches To Management Of Training Of Highly Qualified Personnel In The New Uzbekistan Higher Education System. *Journal of Positive School Psychology*, 6(10), 2432-2442.

34. Musagaliev, A. J., & Shodiev, B. T. (2023). Issues of Efficient Usage of Pastures in the Development of the Cattle Farming Network. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, 81-87.