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MANAGEMENT OF THE DISTANCE EDUCATION PROCESS IN HIGHER EDUCATION

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Abstract

This article examines the effective management of distance education processes in Uzbekistan's higher education system. In the wake of global digital transformation and the COVID-19 pandemic, distance education has emerged as a key tool for maintaining the continuity of learning. However, its success depends not only on technological infrastructure but also on how well the process is managed. The study analyzes core management functions—planning, organizing, monitoring, and quality assurance—within the context of digital education. It also explores the use of artificial intelligence tools, digital platforms, development of educators' digital competencies, and improvements to educational infrastructure. The author concludes that systematic management of distance learning can enhance quality, accessibility, and continuity in higher education.

Keywords: distance education, management, higher education, digital learning, artificial intelligence, education quality.

Introduction

Since the early 2010s, global digital transformation has begun to significantly reshape all levels of the education system. The widespread implementation of information and communication technologies (ICT), the rapid expansion of internet access, and the integration of artificial intelligence (AI) tools into teaching and learning processes have gradually transformed traditional classroom-based education into more flexible and innovative formats. Among these, distance education has emerged as an essential component of the modern educational paradigm. This form of learning is not only the result of technological advancement but also a necessary response to urgent conditions, particularly those brought about by the COVID-19 pandemic.

Problem Statement and Context

The pandemic, as an unprecedented global crisis, compelled higher education institutions to shift to remote instruction within a short timeframe. This sudden transition underscored the need for well-organized, technologically equipped, and methodologically sound management of distance education systems. In Uzbekistan, the education sector responded swiftly: online platforms such as Zoom, Moodle, and Google Classroom were employed, and government-supported televised lessons were broadcast. However, this rapid transition also revealed a number of systemic challenges. Key among them were the insufficient digital literacy among faculty members, the lack of effective monitoring mechanisms for instructional processes, and the unequal development of digital infrastructure across universities. These issues highlighted, once again, the critical role of strategic governance in ensuring the sustainability and quality of distance education.

Research Relevance and Purpose

From this perspective, distance education is not only characterized by the application of modern technologies, but has also become a critical area of scientific inquiry focused on its systematic governance. The effective management of distance education encompasses several key dimensions:

THE MULTIDISCIPLINARY JOURNAL OF SCIENCE AND TECHNOLOGY

VOLUME-5, ISSUE-6

strategic planning, the formation of an institutional structure, the provision of pedagogical resources, the implementation of monitoring and evaluation systems, and the continuous assessment and enhancement of educational quality. Without an integrated management mechanism, distance learning risks remaining merely a technical experiment rather than a sustainable educational model.

Policy Background in Uzbekistan

In this regard, Resolution No. 559 of the Cabinet of Ministers of the Republic of Uzbekistan, adopted on October 3, 2022,¹ established the legal, organizational, and technical foundations for the implementation of distance education. The resolution set forth concrete tasks for higher education institutions. Specifically, it stipulates that a maximum of 300 students per undergraduate program and 30 students per graduate program may be enrolled in the distance learning format. Furthermore, the resolution mandates the introduction of Learning Management Systems (LMS) in every university, along with the development of modern internet infrastructure, electronic learning resources, and technical support services to ensure the quality management of the educational process. According to statistical data, as of 2023, at least 80 out of 213 higher education institutions in Uzbekistan were actively using LMS platforms²

Moreover, the number of students enrolled in distance learning programs in 2022 reached 19,069³ These figures not only reflect the current status of distance education within the national higher education system but also underscore the urgent need for its effective and strategic management.

Research Objectives and Novelty

This article emerges from the urgent need to comprehensively examine the management of distance education processes in higher education institutions in Uzbekistan. It aims to analyze the existing challenges and opportunities, explore leading international approaches, and develop scientific and practical recommendations for enhancing a national model of distance learning governance. The novelty of the research lies in its proposition to view distance education not merely as a technological solution, but through the lens of a systematic governance approach.

Legal and Regulatory Foundations

The revised edition of the Law of the Republic of Uzbekistan “On Education,” adopted on September 23, 2020,⁴ has strengthened the legal and regulatory framework for the integration of digital technologies into the education sector. Notably, Article 16 of the law defines distance education as a form of instruction designed to enable learners to acquire the required knowledge, skills, and competencies remotely, in accordance with academic plans and curricula, through information and communication technologies and internet-based platforms. According to this article, the procedures for organizing distance education are to be determined by the Cabinet of Ministers of the Republic of Uzbekistan. This legislative provision also implies the necessity of establishing institutional mechanisms for the monitoring and strategic management of this mode of education

Key Challenges and Governance Needs

¹ Cabinet of Ministers of the Republic of Uzbekistan, Resolution No. 559, “On the Organization of Distance Education in Higher Education Institutions”, October 3, 2022

² Digital Transformation in Uzbekistan’s Higher Education,” Higher Education in Uzbekistan, 2023 Statistical Report

³ University Students and Teachers’ Experiences with Distance Education in Uzbekistan,” Open Access Journal, Vol. 11(2), 2022

⁴ Law of the Republic of Uzbekistan “On Education”, adopted September 23, 2020, No. ORQ-637

THE MULTIDISCIPLINARY JOURNAL OF SCIENCE AND TECHNOLOGY

VOLUME-5, ISSUE-6

The successful management of distance education, in turn, requires the integration of multiple levels and functions of educational governance. Within this framework, strategic planning, the optimization of institutional structures, the digitalization of instructional processes, as well as ongoing monitoring and quality assessment represent core components. To ensure the effective administration of distance learning in higher education institutions, it is essential to develop specialized management models—specifically, approaches that integrate academic leadership with digital technologies.

Faculty Competency and Risk Factors

A critical dimension of this governance structure involves the development of digital pedagogical competencies among university faculty. This entails the establishment of dedicated training programs, practical workshops, and professional development courses designed to equip instructors with the necessary skills to teach effectively in digital environments.

Unfortunately, the absence of such competencies presents a systemic risk to the sustainable and high-quality delivery of distance education. Without adequate preparation in digital instruction, educators may struggle to maintain instructional quality, foster meaningful student engagement, and apply individualized teaching approaches—factors that are essential to ensuring effective learning outcomes in online settings.

Conclusion

From this standpoint, the effective management of distance education is not merely a technological concern; rather, it constitutes a complex, systemic process that requires the development of scientifically grounded governance models, the continuous professional development of instructors, the enhancement of didactic resources, and the integrated implementation of pedagogical monitoring mechanisms.

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