

## DEVELOPMENT OF EDUCATIONAL SERVICES IN THE DIGITAL ECONOMY

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**Abstract:** This article describes the need to develop educational services in the context of the digital economy, and according to it, digitalization of the education sector will usher in a new era in the formation of the future generation of Uzbekistan based on various ideas and approaches.

**Keywords:** Educational services, educational programs, big data, machine learning, technological innovation, online education, e-learning, learning analytics, artificial intelligence.

**Аннотация:** В данной статье описана необходимость развития образовательных услуг в условиях цифровой экономики, и согласно ей, цифровизация сферы образования положит начало новой эпохе в формировании будущего поколения Узбекистана на основе различных идей и подходы.

**Ключевые слова:** Образовательные услуги, образовательные программы, большие данные, машинное обучение, технологические инновации, онлайн-образование, электронное обучение, аналитика обучения, искусственный интеллект.

**Introduction.** The development of the digital economy today affects all areas of the economy. In this regard, the President of the Republic of Uzbekistan Sh.M. In the 46th goal of the "Development Strategy of New Uzbekistan for 2022-2026" approved by Mirziyoyev, special attention was paid to the development of educational services. In particular, in the Republic, the task of "raising the level of coverage with higher

education to 50% and improving the quality of education"<sup>1</sup> has been set. Also, "granting academic and financial independence to state higher education institutions, including establishing the practice of independent determination of wages, number of employees, amount of payment contract and form of education by them"<sup>2</sup> is considered one of the important tasks.

**The main part.** The field of education, as one of the areas defining the economy of the future, requires the introduction of the digital economy and the use of new digital technologies on this basis. In particular, the systematic introduction of the digital economy in the education sector of our republic creates the opportunity to provide quality education based on "artificial intelligence" based on the following processes, as well as automation of the field, quality organization of the education system using modern mathematical models and special methods, and the use of computer programs.

In our republic, the introduction of the digital economy into the field of education serves as an important factor in solving a number of problems in higher, secondary and secondary special education. Including:

First of all, the use of digital programs and technologies in the field of education enables young people to think creatively, to solve tasks related to various teaching on a modern basis, and most importantly, to improve high-quality knowledge, skills and qualifications of students and pupils.

Secondly, the introduction of digital technologies in the field of education will prevent various forms of corruption and end the hidden economy.

Thirdly, digitization of education will usher in a completely new era of development of the field. In the era of quality education based on such a digital economy, all educational processes will be automated, teachers and students will be able to interact online, and this system will be reshaped on a completely modern basis (for example, based on the HEMIS program in higher education).

Fourthly, as a result of the digitalization of educational services, there will be an opportunity for fair assessment of students and pupils. As a result, the level of learning and mastery of students and pupils will increase several times. For example, within the framework of the PISA program (PISA- The Program for International Student Assessment<sup>3</sup>), which fairly evaluates the knowledge of students in secondary education, the literacy of students in mathematics, natural sciences and other teaching subjects is evaluated in repeated cycles every 3 years.

Fifth, the introduction of innovative digital technologies in education creates an opportunity to base a completely new approach to teaching. These include the use of

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<sup>1</sup> Decree of the President of the Republic of Uzbekistan dated 28.01.2022 "On the Development Strategy of New Uzbekistan for 2022-2026", No. PF-60

<sup>2</sup> In that place

<sup>3</sup> [https://en.wikipedia.org/wiki/Programme\\_for\\_International\\_Student\\_Assessment](https://en.wikipedia.org/wiki/Programme_for_International_Student_Assessment)

online education (ZOOM program, etc.) and the introduction of an innovative system in the field, resulting in the introduction of new types of education (distance, correspondence, etc.).

**Conclusions and suggestions.**Based on the above, the introduction of digital innovative technologies in education, especially in higher education, creates the following facilities. Including

- as a result of granting academic independence in higher education, expenses will be saved, a new management system will be created;

- mastering of subjects in higher education is carried out on the basis of curricula and working curricula produced by the higher educational institution, and students are given the opportunity to master specific subjects based on the syllabuses.

- the possibility of academic mobility is created for professors and students in higher education, they will have the opportunity to receive modern and quality education in universities anywhere in the world, and so on.

However, the most important condition for the effective use of digital technologies in higher education is determined by the high level of Internet connections and provision of modern information technologies in each educational institution.

In conclusion, it can be said that digitalization of education, especially higher education, based on the application of new innovative digital technologies in the field, will start a new era of quality education in the education system of Uzbekistan, and as a result, conditions will be created for the formation of a young generation with high knowledge for the future of our Republic.

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