PLAN

**TO ENSURE THE IMPLEMENTATION AND SUSTAINABILITY
OF THE CONCEPT
OF ADAPTING THE EDUCATION SYSTEM
TO THE DIGITAL GENERATION**

**The project of Erasmus + program in Uzbekistan
«Modernization of Higher Education
in Central Asia
through New Technologies
(HiEdTec)»**

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INTRODUCTION

Creation of the digital industry of the future "- ensuring long-term sustainability, launching the digital transformation of the country by increasing the level of human capital development, outlined in 2017 in the Resolution of the President of the Republic of Uzbekistan "On measures to further develop the higher education system", requires digital transformation of education at an accelerated pace. In accordance with the tasks determined by the Government Program for the Implementation of the Strategy of Action in the Five Priority Areas of Development of the Republic of Uzbekistan for 2017-2021 in the "Year of Development of Science, Education and the Digital Economy", and in order to further increase the competitiveness of the economy of the republic through the widespread introduction of modern information technologies in the field of economics and public administration and the expansion of info-communication networks, the widespread introduction of digital technologies at all stages of education, the system, increasing the level of digital knowledge necessary for the modern economy, improving the education infrastructure, as well as opening by 2022 digital learning centers in all regions of the republic of knowledge within the project framework of "Five Initiatives".

Comprehensive measures are being implemented in the republic to actively develop the digital economy, as well as to widely introduce modern information and communication technologies in all sectors and spheres, primarily in public administration, education, healthcare and agriculture.

In particular, the implementation of over 220 priority projects has begun, providing for the improvement of the e-government system, the further development of the domestic market of software products and information technologies, the organization of IT parks in all regions of the republic, and the provision of this sector with qualified personnel.

In Uzbekistan, national programs are being implemented for the effective work of higher education.

1) On measures to further improve the education system in the field of information technology, the development and integration of scientific research with the IT industry;

2) On the approval of the "Digital Uzbekistan-2030" strategy and measures for its effective implementation.

The "Digital Uzbekistan-2030" strategy is implementing the "Digital Tashkent" comprehensive program, which provides for the launch of a geoportal integrated with more than 40 information systems, the creation of an information management system for public transport and communal infrastructure, the digitalization of the social sphere with the subsequent dissemination of this experience to other regions.

To ensure the implementation and sustainability of the developed Concept for adapting the education system to the digital generation in the Republic of Uzbekistan (hereinafter the Concept) and its successful implementation depends on the effective coordination of the actions of educational institutions and the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan (hereinafter the Ministry of Higher Education). Considering the experience

of the HiEdTec project, as well as the results achieved, the Ministry of Higher Education decided to transfer the coordination of project proposals and their implementation in the field of digitalization of education to the Tashkent University of Information Technologies named after Muhammad al-Khwarizmi.

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In order to introduce the Concept and disseminate the results of the HiEdTec project among educational institutions in the Republic of Uzbekistan, this plan has been developed.

The plan involves the creation of an academic network of methodological centers and classrooms, joint work on the implementation of the main points of the Concept.

The main goal of the Concept is to adapt the education system to the digital generation through the development and effective use of innovative educational technologies and didactic models in the teaching process.

Basic ideas of the Concept of adaptation of the education system to the digital generation, considering the specific conditions in the Republic of Uzbekistan:

– preserving and guaranteeing the leading role of the teacher;
– development of traditional education;
– development of e-learning, mobile and ubiquitous learning;
– development of blended learning and recognition of non-formal learning outcomes;
– using of other innovative educational technologies;
– using of innovative educational technologies in teaching students with special educational needs;
– using of innovative educational technologies to attract and teach students from all over the world;
– using of innovative didactic models;
– applying of a research approach to education;
– analysis of the results from the implementation of innovative educational technologies and didactic models;
– popularization and enhancement of results and best practices.

The Concept was presented and approved for implementation at the meetings of the Academic Councils of universities. Also, the Concept was recommended for use by the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan. Partner universities also carried out work to disseminate the Concept among universities of the Republic of Uzbekistan, and also held a number of round tables and speeches at conferences on the digitalization of education.

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Plan for ensuring the sustainability of the Concept for adapting the education system to the digital generation in the Republic of Uzbekistan in the period of 2020-2025.

The main objectives of the sustainable development plan are:

At the national level:

Distribution of electronic educational resources, videos, teaching materials and manuals developed within the HiEdTec project. The developed open educational resources of the MOOC are aimed at enhancing the digital skills of the teaching staff of educational institutions. These resources make it possible to facilitate individual and distance learning of modern educational technologies.

At the institutional level:

Assistance in the digital transformation of an educational institution in accordance with the main objectives of the Concept.

An action plan to ensure the sustainability of the Concept of adapting the education system to the digital generation in the Republic of Uzbekistan is shown in Tab. 1.

Tab.1 - The action plan for the implementation of the Concept for adapting the higher and postgraduate education to the digital generation in the Republic of Uzbekistan.

№ п/п	Name of events	Period of execution	Performers	Completion form
At the national level				
1. Modernization of the legal and regulatory framework governing e-learning, ensuring proper quality, credit recognition mechanism and regulation of intellectual property rights.				
1.1	Amendments and additions to regulations governing the use of online, distance and mixed learning technologies.	2020-2025	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	Amendments and additions to existing regulations in the field of higher and secondary special education.
1.2	Inclusion of measures to implement the Concept of adaptation of the education system to the digital generation in the strategic plans for the development of educational institutions.	2021	Higher Educational Institutions	Updated plans and key indicators.
1.3	Development and distribution of a practical guide to digitalization of	2020-2021	Ministry of Higher and Secondary	A practical guide to the digitization of

	education.		Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	education.
1.4	Distribute the Concept of adapting the education system to the digital generation between primary, secondary and higher education.	2020	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	Distribution list.
1.5	Annual seminars on modern educational technologies. The seminars will become a platform for teachers to disseminate best innovative practices at the international and national levels.	Annually	TUIT, universities of the Republic of Uzbekistan	End of the seminar, a collection of theses will be published.
2. Dissemination of project results at the national level.				
2.1	Enhancing the skills of teachers in the development and application of digital technologies.	2021-2025	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	Enhancing the digital skills of educators.
2.2	Implementation of online learning in the form of blended learning in public and private organizations on the national e-learning platform	2021-2022	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	Implemented system

2.3	Creation of a unified national database of electronic teaching materials, between the university network	2021-2022	Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan, Higher Educational Institutions	Implemented system
At the institutional level				
1.	Incorporate key sections of the concept into the annual work plans of universities.	2020-2025	Universities of the Republic of Uzbekistan.	Approved plans.
2.	Support, update and replenishment of the course "IT in Education".	2020-2025	Partner universities	LMS portal, academic network.
3.	Organizing and conducting conferences, seminars dedicated to the digitization of education. Project publications.	2020-2025	Universities of the Republic of Uzbekistan.	Workshop materials, collections.
4.	Ensuring the sustainable operation of the Center for Active Learning and Innovative Educational Technologies in accordance with the set goals and objectives.	2020-2025	Partner universities.	Work plans and their implementation.
5.	Material incentives for staff and teachers in the educational process.	2021-2025	Universities of the Republic of Uzbekistan.	Annual competition.
6.	Enhancing the skills of teachers in the field of distance learning and innovative methods and technologies of cloud computing.	2021-2025	Universities of the Republic of Uzbekistan.	Teachers' development plan.
7.	Equipping classrooms with interactive devices.	2021-2025	Universities of the Republic of Uzbekistan.	Audience passports.
8.	Development and purchase of e-courses and software products.	2021-2025	Universities of the Republic of Uzbekistan.	The implementation of the results in the educational process.
9.	Improvement of electronic platforms for distance learning as a factor in increasing the efficiency of the educational process	2021-2025	Universities of the Republic of Uzbekistan.	Distance learning platforms and services.

in higher educational institutions.			