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**Modernisation of Higher  
Education in Central Asia  
through New Technologies  
(HiEdTec)**



**SUSTAINABLE DEVELOPMENT  
PLAN  
of the CONCEPT  
for ADAPTING  
HIGHER EDUCATION  
to the DIGITAL GENERATION  
taking into ACCOUNT  
SPECIFIC CONDITIONS  
in TURKMENISTAN**

**PROJECT:**

Modernisation of Higher Education in Central Asia  
through New Technologies  
(HiEdTec)

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Project Coordinator: ANGEL KANCHEV UNIVERSITY OF RUSE

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**Partners contributing to the development of the Plan:**

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P11	Turkmenistan	International University for the Humanities and Development
P12	Turkmenistan	Oguz Han Engineering and Technology University of Turkmenistan
P13	Turkmenistan	State Power Engineering Institute of Turkmenistan
P23	Turkmenistan	Ministry of Education of Turkmenistan

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## **Preamble**

Under the wise leadership of the Esteemed President of Turkmenistan Gurbanguly Berdimuhamedov, in Turkmenistan the education system is developing on innovative and technological basis: In this filed there were adopted main concepts and state policies such as: “The Concept for the Development of the Digital Education System of Turkmenistan”, “The Concept for the Development of the Digital Economy for 2019-2025. The key provisions of which were taken into account in developing the Programme for adapting the system of higher education to the digital generation, taking into account the specific conditions in Turkmenistan (hereinafter the “Programme”) within the framework of the international project “Modernization of Higher Education in Central Asia through New - Technologies - HiEdTec”.

The Sustainable Development Plan for the Programme (Concept) for Adapting Higher Education to the Digital Generation taking Into Account Specific Conditions in Turkmenistan (hereinafter the “Plan”) proceeds from the high social significance of the most important international and national solutions with the aim of higher educational transformation. It was designed to help solve the most pressing issues of digital transformation, including the implementation of the Project.

The Plan aims a cohesive approach, thus making possible technology-enabled everywhere, all-the-time learning with introduction of innovative digital network infrastructure in Higher Education Institutions. The principle of providing all educational institutions with high-speed Internet is very important. The development of a wireless connection (WI-FI) will give an opportunity for connecting more digital devices, storage resources (e.g. eCloud). Consequently, affordable access to high-quality resources will make innovative education more successful and intensive.

The Plan acknowledges the use of technology in transforming learning, developing collaboration solutions, enhancing the role of educators in innovative technology-supported learning environments allowing them to be engaged in professional learning experiences that will prepare to adeptly apply research-based approaches to didactic teaching.



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The Plan contains a plan of activities implemented jointly by the Ministry of Education of Turkmenistan, aimed at introducing innovative educational technologies into the educational process in institutions of higher education. The Plan is modeled in order to gradually improve the activities of educational institutions, widespread use of digital resources, enrich the educational process and ensure its compliance with international standards.

As it is known, the Programme was adopted by the Academic Councils of all partner HEIs from Turkmenistan, agreed by the Ministry of Education of Turkmenistan, and also were introduces at the seminars for the teaching staff. The goal of the Programme is to adapt higher education system to the digital generation by introduction and effective implementation of innovative educational technologies and didactic models in teaching, thus providing the opportunity for EVERYBODY to learn at ANY time and at ANY place with the help of ANY lecturer using ANY end device – computer, laptop, tablet, phablet, smart phone, etc.

Therefore, the implementation of the Plan will contribute to the automation of the innovative education activity for all participants: administration, management, educators and students. The implementation of the Plan will develop a sustainability of the Programme for adapting Higher Education to the Digital Generation disseminating its key objectives both on the institutional and state level.

The Plan is being implemented in accordance with the recommendations of the Ministry of Education of Turkmenistan.



**Sustainable Development Plan  
of the Concept  
for Adapting Higher Education  
to the Digital Generation  
taking into Account Specific Conditions in Turkmenistan**

No	Name of the actions	Duration	Implementers	Outcomes
1	Adapting the regulatory framework (standards) of education to digital generation and placing digital education requirements at the center of the modern education process.	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Adaptation of the regulatory framework
2	Placing technology skills in the content-area curriculum in ways that support both subject-area content and technical skills. Introducing “Digital education skills” topics as new courses or as new topics in existing courses of university curricula.	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Introducing “Digital education skills” topics as new courses
3	Cross-institutional collaboration: “Digital education” for sharing international and national best practices.	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Integration of HEIs in the international educational process
4	Dissemination of the Handbook of innovative educational technologies/	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Dissemination
5	Dissemination of the Programme for Adapting Higher Education to the Digital Generation.	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Dissemination
6	Dissemination of project results at the national and international levels (national seminars,	2020-2025	Partner Universities, Ministry of	Dissemination



	conferences, exhibitions).		Education of Turkmenistan	
7	Institutional and national training courses in the areas of development and application of digital educational technologies. Modernization of the system of professional development of teachers through new methods and technologies.	2020-2025	Partner Universities, Ministry of Education of Turkmenistan	Training courses. Dissemination
8	Implementation of digitalization tools in the educational process. Providing high-speed Internet in educational facilities.	2020-2025	Partner Universities	Report
9	Creating centers for innovative educational technologies and active classrooms	2020-2025	Partner Universities	Report, sustainability
10	Maintaining the HEIs websites linked to project website, creating and maintaining in working order and filling the Platform for the academic network with content. Institutional websites to provide access to the digital course content of universities (distance education). Development of the digital textbooks, manuals, video and audio materials, interactive and multimedia programs, etc.	2020-2025	Partner Universities	Website, academic network
11	Organization and holding of conferences, seminars on digitalization of higher and postgraduate education.	2020-2025	Partner Universities	Workshop materials. Reports
12	Improving the virtual learning environment of the university – the e-learning platform. Publishing lectures and seminars of all main courses on the e-learning platform	2020-2025	Partner Universities	E-learning platforms, publications of the courses
13	Development and acquisition of	2020-	Partner	Reports



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	digital educational resources, e-courses	2025	Universities	
14	Cloud-based Virtual Library of the digital educational resources	2020-2025	Partner Universities	Links. Reports
15	Promoting and multiplying results and best practices of the implementation of innovative educational technologies and didactic models through the media, regional and national seminars and conferences, social networks, etc.	2020-2025	Partner Universities	Publications, materials of seminars, conferences