



**STRATEGY  
FOR UPSCALING AND EXTENDING THE  
IMPACT OF PROJECT  
«MODERNISATION OF HIGHER EDUCATION  
IN CENTRAL ASIA  
THROUGH NEW TECHNOLOGIES»  
(HiEdTec)  
AT THE NATIONAL LEVEL  
(TAJIKISTAN)**



**Contributing partners:**

No	Country	University name
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P9	TAJKISTAN	Tajik Technical University named after academician M. Osimi
P10	TAJKISTAN	Technological University of Tajikistan
P22	TAJKISTAN	Ministry of Education and Science of the Republic of Tajikistan

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According to the **National Development Strategy of the Republic of Tajikistan for the period up to 2030**, ensuring sustainable development of the country presupposes the choice of scientifically grounded basic principles for the future development of the national economy and society. The highest goal of the long-term development of Tajikistan is to improve the living standards of the country's population based on ensuring sustainable economic development. To achieve it, four strategic development goals have been identified for the next 15 years, including "Expansion of productive employment of the population." Achieving this goal also includes the process of developing an educational network for obtaining professional skills, retraining and advanced training. In this regard, it is necessary to adapt the education system to the digital generation through the massive and effective use of ICT-based innovative educational technologies and didactic models.

To achieve these goals, the Ruse University proposed a structural project with the support of the EUROPEAN COMMISSION within the framework of Erasmus +, Capacity Building in Higher Education "MODERNIZATION OF HIGHER EDUCATION IN CENTRAL ASIA BY USING NEW TECHNOLOGIES" -1-BG-EPPKA2-CBHE-SP, which included the Ministry of Education and Science of the Republic of Tajikistan and 3 partner universities of Tajikistan.

**The COVID-19 pandemic has made this project especially relevant for the entire country. The strategy provides for the active involvement of the Ministry of Education and Science, as this is a structural project and should lead to structural changes in each country. Accordingly, this strategy shows how the main results and products of the project will be disseminated and applied at the national level.**

The main results and products of the project are as follows:

- ✓ A stable academic network for the exchange of experience and best practices in the field of innovative educational technologies and didactic models;
- ✓ The concept of adaptation of the education system to the digital generation, taking into account the specific conditions of the Republic of Tajikistan;
- ✓ Center for innovative educational technologies, active learning classes, virtual classes;
- ✓ Courses for trainers and educators on the acquisition of digital skills and innovative teaching and learning methods;
- ✓ Open educational resources and cloud-based virtual library of digital educational resources.



To disseminate and implement these main results and products of the project at the national level, the Ministry of Education and Science of the Republic of Tajikistan and three partner universities plan to do the following:

**1. A stable academic network for the exchange of experiences and best practices in the field of innovative educational technologies and didactic models.**

Initially, the network will be composed of partner universities, but at a later stage, it will be open to other higher education institutions in the project partner countries. The network will continue to function steadily beyond the formal completion of the project, thereby contributing to improved project performance and sustainability.

1.1. With the assistance of the Ministry of Education and Science of the Republic of Tajikistan, representatives of partner universities, using opportunities such as regional and national meetings, seminars, conferences, etc., will familiarize colleagues from other universities with the purpose and objectives of the academic network and invite other universities to join the academic networks to draw on the lessons learned from the European consortium and share their best practices.

1.2. For the development of the academic network, a Facebook group will be created, in which the list and coordinates of universities wishing to become its members will be published, and in which they will publish news in the field of innovative educational technologies, exchange best practices, etc.

1.3. Field seminars will be organized to colleges and technical schools to disseminate information about the established consortium and its opportunities and plans. This will also involve institutions of secondary vocational education in our academic network.

**2. The concept of adapting the education system to the digital generation, taking into account the specific conditions of Tajikistan.**

2.1. With the assistance of the Ministry of Education and Science of the Republic of Tajikistan, rectors of all universities in the country will be provided with a paper version of the Concept - Done

2.2. The concept will be published on the website of each partner university, where it will be available to all university professors in the country. - Done

2.3. The concept will be presented and explained at republican meetings of rectors, scientific sessions and conferences.

2.4. The concept will be disseminated through social media.

**3. Center for innovative educational technologies, active learning classes and virtual classrooms.**

3.1. The Ministry of Education and Science of the Republic of Tajikistan recommends that other universities in the country create similar centers of innovative educational technologies and active learning classes.



3.2. The centers will serve to organize the interaction of universities with national platforms for placing online courses in the field of creating educational materials, supporting a technological platform, organizing regulatory and administrative mechanisms of interaction

3.3. The centers will contribute to the creation of open educational projects aimed at popularizing science and education in the Republic of Tajikistan and other countries.

3.4. The center and halls will be presented at scientific sessions and conferences.

3.5. The experience of partner universities in using virtual classrooms for synchronous distance learning will be disseminated through publications at conferences and in magazines.

3.6. The centers will be used for nationwide events and for online rectors' meeting

3.7. The Centers will help in organizing the infrastructure to ensure the training process for interested persons in continuing education and continuing professional education programs using new educational technologies on the basis of the Centers, including in electronic, distance and network form.

#### **4. Courses for trainers and educators on the acquisition of digital skills and innovative teaching and learning methods.**

4.1. The curriculum of these courses, a guide to innovative educational technologies, presentations and video lectures on the main topics of the program will be published in the public virtual library in Russian.

4.2. The address of this virtual library will be sent with the assistance of the Ministry of Education and Science of the Republic of Tajikistan to all universities in the country with a recommendation to send it to all teachers working in them.

4.3. The address of the virtual library will be published on social networks.

4.4. Trained trainers as well as teachers from partner universities organize similar courses at other universities in the country.

#### **5. Open educational resources and cloud-based virtual library of digital educational resources.**

5.1. With the assistance of the Ministry of Education and Science of the Republic of Tajikistan, instructions developed within the framework of the project on:

- creating web courses;
- preparation of presentations adapted for interactive presentation systems;
- recording of video lectures;
- creation of interactive multimedia educational materials;
- creation of virtual laboratories, etc.

And will be distributed among other universities in the country.

5.2. Teachers of other universities will be given the opportunity to enter the cloud virtual library created within the framework of the project and view the open educational resources published in it in order to use them as models.



5.3. At seminars, sessions and conferences, the creators of the virtual library and educational resources will share their experience with colleagues from other universities.

5.4. The possibility of using innovative educational technologies will serve to attract foreign students.

**By disseminating and applying the main results and products at the national level, the project will help turn the universities of the Republic of Tajikistan into innovative universities and improve the quality of training of specialists necessary for the digital transformation of industries (Industry 4.0).**