HiEdTec

Modernisation of Higher Education in Central Asia through new Technologies

**Website**: <https://hiedtec.ecs.uni-ruse.bg/index.php?cmd=gsIndex>

**UNIPV structure involved:** Department of Electrical, Computer and Biomedical Engineering

**UNIPV Team**: Prof. Marco Porta

**Project Duration:** 3 years

**Start Date**: 15 Jan 2019 **End Date**: 14 Jan 2022

**Coordinator:** [University of Ruse](https://www.uni-ruse.bg/en), Bulgaria

**Partner countries involved:** Kyrgyzstan, Kazakhstan,Tajikistan,Turkmenistan, Uzbekistan

**Partners:**[Ala-Too International University](http://iaau.edu.kg/), [Issyk-Kul State University](http://www.iksu.kg/),

[K.Tynystanov Issykkul State University](http://iksu.kg/), [Kyrgyz State Technical University](https://kstu.kg/en/), [Ministry of Education and Science of the Kyrgyz Republic](https://edu.gov.kg/kg/), [Almaty Technological University](https://atu.kz/en/home), [Innovative University of Eurasia](http://ineu.kz/en/), [L.N. Gumilyov Eurasian National University](http://www.enu.kz/), [Ministry of Education and Science Republic of Kazakhstan](http://edu.gov.kz/en/), [University of Luxembourg](https://wwwen.uni.lu/),

[University of Groningen](https://www.rug.nl/society-business/centre-for-information-technology/), [Universidade de Coimbra](http://www.uc.pt/), [Khorog State University named after M. Nazarshoev](http://www.khogu.tj/index.php/tj/), [Tajik Technical University named after Academician M. Osimi](http://ttu.tj/en/main-en/), [Technological University of Tajikistan](https://tut.tj/?page_id=1751&lang=en), [Ministry of Education and Science of the Republic of Tajikistan](http://edu-maorif.tj/), [International University for the Humanities and Development](https://en.wikipedia.org/wiki/International_University_of_Humanities_and_Development), [Oguz Han Engineering and Technology University of Turkmenistan](https://en.wikipedia.org/wiki/Oguz_Khan_University_of_Engineering_Technologies), [State Power Engineering Institute of Turkmenistan](http://www.tdei.edu.tm/), [Ministry of Education of Turkmenistan](https://www.scholaro.com/pro/Countries/Turkmenistan/Resources/Ministry-of-Education-of-Turkmenistan-231), [Andijan machine-building institute](https://atm.andmiedu.uz/), [Tashkent State Univeristy of Economics](http://tsue.uz/), [Tashkent University of Information Technology](https://tuit.uz/en), [Ministry of Higher and Secondary-Specialized Education of the Republic of Uzbekistan](http://edu.uz/en/)

**Budget:** 998.773,00 euro

**Description**

HIEDTEC is **a structural project involving the Ministries of Higher Education of all the Central Asia (CA) countries**.

The project aims at adapting the education system in CA to the digital generation through the **introduction and effective implementation of ICT-based innovative educational technologies and didactic models in the teaching process**.

Specific project objectives are to:

1. **develop a Sustainable academic network for sharing experience and exchange of good practices in the field of IET and didactic models**.
The network will initially comprise of project PC universities, but it will be open for other HEIs in the PCs to join at a later stage.
2. develop **Concepts of adapting the education system to the digital generation** by taking into consideration the specific conditions of each of the partner countries.
The goal of the Concepts is to adapt the educational system to the digital generation by introducing and implementing effectively IET and didactic models in the education process, thus providing an 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, smart phone, etc.
3. **create IET Centres, active learning classrooms, virtual classrooms** in all partner HEIs. A prerequisite for the development of the Centres is the EU requirement for opening up education through new technologies. The boost of digital technologies in the delivery of high quality teaching suited to the needs of digital learners in the CA institutions requires the opening of suitable learning environments for this purpose, the introduction and piloting of new educational technologies and the training of teaching staff to use them effectively in formal education.
4. organize courses for trainers and lecturers for the acquisition of digital skills and innovative teaching and learning methods.
5. develop OERs and a Cloud-based virtual library of the digital educational resources
6. raise awareness of the need to adapt the education system to the digital generation in the PCs institutions and in society at large.

By achieving these objectives the project will help turn the partner universities into innovative universities and to improve the quality of the trained specialists necessary to perform the **Digital Transformation of Industries (Industry 4.0).**