

## **Information about Karshi Engineering - Economics Institute, Uzbekistan**

Karshi Engineering – Economics Institute was founded in 1995 as a result of the association of Karshi agrarian-economics institute and Karshi branch of Tashkent polytechnic institute. Institute has almost fifty-year history and traditions. Institute is situated in the south of the Republic of Uzbekistan, Kashkadarya region.

There are 6 faculties in the institute:

- Economics
- Oil and gas
- Energetic
- Technology
- Geology and mining
- Engineering technical.

Also, following departments and centers:

- educational-methodical department;
- information resource centre;
- department of spirituality;
- department of magistracy and preparing scientific-pedagogical personnel;
- personnel department;
- accounting department;
- center of information technologies;
- scientific department;
- Applied Researches Development and Innovation Centre;
- department for talented students;
- marketing department;
- general service department.

Library in Information resource centre contains 166 896 books and 682 electronic textbooks. 448 PENTIUM PCs (364 of them are PENTIUM IV) are

used to fulfill educational, scientific-research and management issues of the institute. Institute PCs are connected to local and Internet networks.

A rector heads institute. Following vice-rectors help rector in management:

- on academic issues;
- on scientific issues;
- on spiritual-moral issues;
- on economic and financial issues;
- on relations with academic lyceums and professional colleges.

There are 25 chairs in institute:

Economics;	Equipment exploitation and labor protection;
Management;	Farming economy and agricultural technology;
Accounting and audit;	Geology and exploring of oil and gas fields;
Chemistry;	Oil and gas well drilling;
Chemical technology;	Mining and exploitation of oil and gas fields;
Automatics and Information technologies;	Higher mathematics;
Environmental protection and ecology;	Electric power;
Professional education and methods of teaching;	Heat and power engineering;
Languages;	Physics;
Methods of teaching of technical subjects;	Physical training;

Exploitation of hydraulic constructions and pumping stations;	History of Uzbekistan;
Land management and land cadastre;	Philosophy.
Agricultural and land improvement machines;	

8000 students are being educated in baccalaureate on 33 directions:

- Professional education (Economics);
- Professional education (Mechanization of the agriculture);
- Professional education (Usage and repair of the transport facilities);
- Professional education (Electric power engineering);
- Economics (on branches and spheres);
- Management (on branches and spheres);
- Finance;
- Accounting and audit (on branches);
- Treasury;
- Oil and gas geology;
- Heat and power engineering;
- Electric power (on branches);
- Exploitation and repair of the transportation facilities (on types of the transport);
- Automation of the technological processes and manufacture (on branches);
- Chemical technology (on high-molecular compounds, production of plastic and elastomeric);
- Chemical engineering (on inorganic matters and production of the mineral fertilizers);
- Chemical technology of the processing of the natural energy carriers and carbon-base materials;
- Oil and gas engineering;
- Machinery and equipment of oil and gas industry;

- Mining engineering;
- Geology and exploring of oil and gas fields;
- The technique and technology of geological-exploratory works;
- Oil and gas well drilling;
- Mining and exploitation of oil and gas fields;
- Food technology (on types of products);
- Management and conduct of farm;
- Technology of production, keeping and primary processing of agricultural product;
- Land management and land cadastre;
- Mechanization of agriculture;
- Water industry and melioration;
- Exploitation of hydro technical constructions and pumping stations;
- Technique and technology of service (on branches of services);
- Ecology and environmental protection (on branches).

Academic personnel:

- The total quantity of academic personnel in institute is 312, and
- 15 of them are doctors, professors;
- 125 of them are candidates of science, associate professors.

Education in the institute is held on two-level system - baccalaureate and magistracy.

- Students are taught in two languages: Uzbek and Russian.

There is magistracy in the institute and 122 undergraduates are taught on ten specialties:

- Thermal energy;
- Drilling of oil and gas wells;
- The development and operation of oil and gas deposits;

- Chemical technology of mineral fertilizers;
- Water inventory and the efficient use of water resources;
- Agricultural Engineering;
- Technology of storage and primary processing of agricultural products (by products);
- Protection of the environment;
- Management (manufacturing);
- Economics (on branches);

The Institute has doctorate, providing training of the scientific-pedagogical personnel.

### **International relations of institute**

Institute has a broad experience in cooperation on the sphere of education and science and fulfillment of international projects. The following projects were fulfilled:

- in cooperation with Hamburg-Harburg Technical University (Germany) and Twente University (The Netherlands) on training of teachers for the development of master courses on information and communication technologies;
- in cooperation with Royal Institute of Technology (Sweden), Polytechnic University of Catalonia (Spain), Santiago de Compostela university in Spain, and Hamburg-Harburg Technical University (Germany) on the development of MSc program in Applied Ecology, TEI of Crete in Greece, Aalborg university Denmark, Lodz university Poland, University of Lisbon in Portugal, Polytechnic university of Braganca, Szent Istvan University in Hungary, D.A.Tsenov Academy of Economics, Transilvania university of Brasov in Romania;
- in cooperation with Wageningen University, Eykekamp company, KIWA centre of water resources (the Netherlands), Vienna University of natural resources and applied sciences (Austria), Warsaw agricultural university

(Poland) on title of elaboration of educational courses on assessment and monitoring conduct of environment's condition, raising the qualification of specialists;

- in cooperation with Vrije University in Brussels (Belgium), Adam Mitsckewich University (Poznan, Poland) on the improvement of models and methods for Uzbek universities' higher education quality assessment.

At present following joint international projects are being carried out in institute:

- in cooperation with Santiago de Compostela University (Spain), Magdeburg University (Germany), University of Vilnius (Lithuania), Vrije University in Brussels (Belgium) on title "Plan to establish Research-Science-Enterprise oriented Universities for the benefit of Society";
- in cooperation with Berlin Technical University (Germany), Lessius University (Belgium), University of Vilnius (Lithuania), Kazan State Technical University, Moscow State Technical University, Povolzhskiy State University of telecommunications and informatics (Russia), Lutsk National Technical University, Zaporizhzhya National Technical University, Azov State Technical University (Ukraine) on title "Practice oriented Master Programs in Engineering in RU, UA and UZ";
- joint project on title "Sustainable water resources in Central Asia" in cooperation with Alicante University (Spain), Genoa University (Italy), Slovak Technological University in Bratislava (Slovakia), Warsaw University of Natural Sciences (Poland), Tajikistan Technological University, Tajikistan Technical University, Ministry of Melioration and Water Economics of Tajikistan, Institute of Mountain Problems and Mountain Technologies of Kyrgyzstan Technical University, Kyrgyzstan National University, Ministry of Education and Science, Ministry of agriculture, water resources and processing (Kyrgyzstan), Kazakhstan National Agrarian University, Kazakhstan National Technical University, Ministry of agriculture, Ministry of Education and Science (Kazakhstan).

- In recent years 26 professors, teachers and students of institute have attended to professional development and training courses of Ludwigshafen University of Applied Sciences (Germany), Dayegu University (Korea Republic), Moscow academy of agriculture named after K.A.Timiryazov (Russia), Zhongan university of economics and law, Wuhan University (China), Technical University of Berlin, University of Lessius (Belgium), Technical University of Bratislava (Slovakia).

### **External relations of institute**

Institute is cooperating with following manufacturing enterprises and organizations:

- “Uzgeoburneftgaz” stock company;
- “Shurtanneftgaz” unitary affiliated production unit;
- “Mubarekneftgaz ” unitary affiliated production unit;
- Shurtan Gas Chemical Complex;
- “Tallimarjon” heat electric station;
- “Muborak” gas processing plant;
- “Dehkanabad” plant of potassium fertilizers;
- Kashkadarya region Statistics Board;
- Kashkadarya region Economics Board;
- Kashkadarya region Special Secondary, professional education Board;
- Kashkadarya region Agricultural and water management Board;
- Kashkadarya region branch of Farmers’ Union of the Republic of Uzbekistan.

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## **Mission and vision**

### **Mission statement**

*‘To establish the potential of education to improve the quality of specialists’*

KEEI is an institution that focuses on the issue ‘to contribute the development of the country with preparing highly qualified specialists’. We do not just prepare top-quality cadres; we also help them to make lifelong cooperation with production facilities and other enterprises, translate their knowledge into practice worldwide. That is why we do fundamental research all over the world. We also train professionals who, in the near and distant future, will discover achievements in culture, science and technology.

### **Vision**

In the coming years we want to further expand our leading position in the fields such as Economics, Ecology, Oil and gas, Food engineering, Power engineering, Chemical technology, Languages, ICT and etc. We want to do this in close collaboration with governmental organisations, commercial businesses, fellow institutions and universities at home and abroad. We want to stay ahead of the game internationally, to join financial forces with third parties, to share knowledge and to find sustainable solutions to the challenges that the world is facing.

### **Why the mobility projects are relevant to the internationalization strategy of KEEI?**

- Coordination of our academic subjects, programs and schedules to EU HEIs and provide to recognize our bachelor’s, master’s and Phd degrees in international volume;
- Dissemination of European experience in science, education and production and education quality system into our Educational process;
- Knowledge sharing and academic exchange between partner Universities.

### **Other EU grants**

1. Tempus program. Project: PROMENG - Practice Oriented Master Programs in Engineering in RU, UA and UZ
2. Tempus program. Project: SWAN - Towards Sustainable Water Resources Management in Central Asia
3. Tempus program. Project: PERSEUS - Plan to Establish Research-Science-Enterprise oriented Universities for the benefit of Society
4. Erasmus Mundus. Action 2. Project: MANECA - Mobility Academic Network between EU and Central Asia
5. TEMPUS program, MATCHES (Towards the modernization of higher education in Uzbekistan) project. 2013-2016.