

Erasmus+ Call for proposals

ERASMUS+ PARTNER SEARCH FORM

(to be completed in English)

General information	
Partner-country	Uzbekistan, Kashkadarya region, Karshi city
Name of university: website:название	Karshi engineering-economics institute, KEEI, website: www.qmii.uz
Participant Identification Code (PIC)	PIC: 925175040
Brief description of university, faculty, department, number of students	Karshi Engineering-Economics Institute was established by the Cabinet of Ministers of the Republic of Uzbekistan in 1995. Currently, the institute has 7 faculties (Economics, Industrial technology, Geology and Mining, Oil and gas, Energy, Engineering-technical), 27 education departments, the department of science and scientific-pedagogical staff, the center of "Professional Development", the center of "Gifted Students" and 2 academic lyceums. Today, 7557 bachelors are trained in 30 specialties, 78 masters in 8 specialties in the institute. There are 306 teachers, from which 15 are doctors and professors, 125 are associate professors and candidates of science. International relations are well organized and "The department of international relations" is in act. Currently, scientists of the institute are working with more than 20 foreign countries' (such as Germany, China, Italy, Southern Korea, Netherlands, Poland, USA, Israel, Sweden, Spain, Russia, Ukraine, Belarus and Kazakhstan) higher educational institutions based on mutual scientific-applied co-operative contracts. Our students are currently studying at the foreign higher educational institutions of the countries such as USA, Italy, England, Belgium, and Germany. More than 40 of our teaching staff members have improved their qualifications in foreign universities.
Relevant information on previous or on-going international cooperation	<ol style="list-style-type: none"> 1. Tempus program. Project: PROMENG - Practice Oriented Master Programs in Engineering in RU, UA and UZ. 2010 -2013; 2. Tempus program. Project: SWAN - Towards Sustainable Water Resources Management in Central Asia. 2010-2012; 3. Tempus program. Project: PERSEUS - Plan to Establish Research-Science-Enterprise oriented Universities for the benefit of Society. 2010-2013; 4. Erasmus Mundus. Action 2. Project: MANECA - Mobility Academic Network between EU and Central Asia. 2009-2013; 5. TEMPUS program, MATCHES (Towards the modernization of higher education in Uzbekistan) project. 2013-2016.
Contacts of responsible person: name, title (Mr, Mrs, Dr, Prof), position, telephone, fax, e-mails	Mr. Alibek Eshev Head of international relations department and Institutional Erasmus coordinator of KEEI. Tel: +998752210417, mob: +998914568805. e-mail: alibek_8805@mail.ru alibek_8805@yahoo.com .
Project description	
Type of the project:	Joint Project

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Joint Project (JP) or Structural Measure (SM)	
Area of project: category A B , C or D	Project category A, D
category A Curriculum Development project: Subject area/academic discipline if applicable	Theoretical basics of electro technics, urban electric supply.
Relevance to national or regional priorities	Regional priority
Brief need analysis	<p>According to the plan of action of the European Community, power losses in the transmission line (10-6-0.4 kV) and various power transformer capacities, to solve the new calculation method and its reduction.</p> <p>At present, the State Program of the Republic of Uzbekistan "Energy saving and increasing the efficiency of energy resources use up to 2021" is being developed. In accordance with the program, energy saving should be within the border.</p> <p>The loss of electricity occurs in distribution networks (10-6-0.4 kV) where the connected asynchronous electric motor of the oil and gas industries and various economic structures, electricians engineers must find the optimal solutions in the control circuits.</p> <p>At the same time, students' dissatisfaction with electrical engineering led us to define new courses based on concepts. In the oil and gas industries used asynchronous electric motors and its control circuit is used by power electronics and is equipped with various kinds of sensors.</p> <p>At the present time, modern self-supporting power lines (6-10-0.4 kV) use self-supporting insulated wires, which make it possible to reduce power losses in the transmission line. Including this does not allow unauthorized connection to the network, that is, requires permission from the power supply enterprises. Electric meters of plastic type or multifunction electric meters are placed in the building's wine.</p> <p>The idea of the project is to update and improve the quality of training programs (bachelors and masters) in the sphere of transmission, distribution and consumption of electricity networks, it is necessary to take into account the losses of electricity in industrial enterprises and other branches of economic structures. On the basis of the main step-down substations, a 0.4-6-10 kV distribution switchgear is installed and an auxiliary panel of 0.4 kV is installed inside the general substation control.</p>
Objectives and activities	<ol style="list-style-type: none"> 1) Methods for the parameter in the calculation of steady-state electric circuit regimes; 2) Calculation of flows and power losses in electrical networks; 3) Methods for operational control, analysis and planning of electric power losses in networks; 4) Errors in the calculation of steady-state regimes for voltage and reactive power; 5) Improvement of quality for training two cycles (masters and

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	<p>bachelors) on the basis of training programs and competencies in the construction of a substation, line and wiring works of 110 / 10kV or 110 / 6kV main step-down substations;</p> <p>6) Commissioning works of 110 / 10kV or 110 / 6kV main step-down substations in accordance with the best equipment.</p> <p>7) Develop and test a new interdisciplinary model of engineering and practical training of engineers to raise awareness and respond to changes in the environment.</p> <p>8) Create a new platform for interaction of education, science, production with the goal of forming the modern professional competence of a specialist in accordance with the needs of sustainable and high-quality uninterrupted power supply equipment.</p> <p>9) Turn on the ATS (0.4kV) to provide power supply from one side of the cell panel to the AC's own needs, and on the other side of the solar power station.</p> <p>10) Emergency lighting for industrial plants or step-down substations is supplied from electricity from solar power plants.</p>
Expected results	<p>1. New curricula development enhances on the subject areas by the project results;</p> <p>2. Expected technical and economic results 600 \$ of conventional units per year from one outgoing feeder as part of a complete switchgear (6 or 10 kV at a 110/6 kV or 35/10 kV substation) and others.</p>
Target groups and stakeholders (enterprises, student organizations, for SM – Ministry of Higher and Secondary Specialized Education of Uzbekistan)	<ul style="list-style-type: none"> - Ministry of higher and secondary-specialized education of the Republic of Uzbekistan; - Kashkadarya regional electric networks enterprise; - Karshi city electric networks enterprise; - Tallimarjan heat-electric Station; - “Integral construction-trade” company of limited liability; - “Specific electro-lux” company of limited liability.
If possible information about other HEIs in Uzbekistan to be involved in project	<ul style="list-style-type: none"> - Jizzakh Polytechnic Institute; - Fergana State institute; - Namangan engineering-technological institute; - Karshi State University.