

ERASMUS+ PARTNER SEARCH FORM

(to be completed in English)

General information	
Partner-country	Uzbekistan
Name of university: website:	Tashkent Chemical-Technological Institute www.tkti.uz
Participant Identification Code (PIC)	933344768
Brief description of university, faculty, department, number of students	<p>Tashkent Chemical Technological Institute (TCTI) was founded in 1991 on the basis of the faculties of chemical technology and engineering technology of the Tashkent Polytechnical Institute. TCTI is one of the most prestigious universities in Uzbekistan in the field of chemistry and chemical engineering (inorganic and organic chemical technology, ceramic materials, rare and noble metals, polymers, electrochemistry, fertilizers, oil and gas processing technology), biotechnology and environmental protection, food technology (sugar and fermentative products, alcoholic beverages, grain products, bread, oil, canned food products, food chemistry and food safety).</p> <p>TCTI (www.tkti.uz) is a public higher education university pursuing scientific, research, development and implementation activities and is accredited to provide four-year bachelor (BSc) programmes, two-year masters (MSc) programmes, and doctor of science programmes. Total enrolment at TCTI in 2017 was 4,475 bachelor, 362 master and 43 PhD students. The structure of TCTI includes 5 faculties, 26 departments, the Centre of Innovation Technology and 12 research laboratories. The Institute provides training on 10 bachelor and 27 master programmes of studies. TCTI is an internationally recognised governmental institute of higher education, where fundamental training is integrated into action-oriented knowledge and skills; it combines the traditions of classical engineering training and the latest technology in education.</p> <p>TCTI employs more than 380 highly specialised teaching staff, among them 172 doctors of science and PhDs to teach and research on current themes at TCTI. It is the country's main institute for educating highly skilled engineers and technologists in the field of Chemical Engineering, Food technology, Biotechnology, Ecology in Uzbekistan.</p>
Relevant information on previous or on-going international cooperation	<ol style="list-style-type: none"> Project 158918-TEMPUS-12009-1-AMB-TEMPUS-JPCR CANDI: «Teaching competence and infrastructure for e-learning and retraining» (2010-2013). Project 511172-TEMPUS-1-2010-1-DE-TEMPUS-JPCR CIBELES:

	<p>«The curriculum in the area of the environment, taking into account the principles of the reformed Bologna process” (2011-2013).</p> <p>3. International Research Grant “Science for Peace” Projects NATO SfP-983 945”Assessment of TransboundaryWater Pollutions in Central Asia “(Syrdarya project) (2012-2014).</p> <p>4. Erasmus+ Project 561685-EPP-1-2015-1-CZ-EPPKA2-CBHE-JP IQAT: “Enhancing capacities in implementation of institutional quality assurance systems and typology using Bologna process principles” (2015-2017).</p> <p>5. Erasmus+ Capacity Building Project UZDOC 2.0: Furthering the Quality of Doctoral Eduzcation ay Higher Education Istitutions in Uzbekistan (2016-2019).</p>
Contacts of responsible person: name, title (Mr, Mrs, Dr, Prof), position, telephone, fax, e-mails	<p>Dr. Zebo Babakhanova Tel. + 998-93-5279500 Fax. +998-71-2447920 e-mail: zebo.babakhanova@gmail.com, babax2013@yahoo.com</p>
Project description	
Type of the project: Joint Project (JP) or Structural Measure (SM)	Joint Project
Area of project: category A B , C or D	A
category A Curriculum Development project: Subject area/academic discipline if applicable	Programme/ Subject area: Materials Science and Engineering (Materials Science and Technology) (academic discipline: Composites)
Relevance to national or regional priorities	Accoring to Resolution of President of Uzbekistan “On measures on further developing system of higher education”, April 20, 2017 developing of new advanced programme to train highly qualified personel is recognized as national priorities
Brief need analysis	<p>The rapid development of modern technology requires of new advanced materials with pre-defined properties. Materials with ultrahigh strength, hardness, heat resistance, corrosion resistance, other characteristics and a combination of these properties are required. At the same time, hundreds of thousands of different non-composite natural and artificial materials are now known, which no longer meet the growing demands.</p> <p>But scientific and technological progress does not stop and requires new materials. Therefore, the main and long-term direction in the development of new materials is now to create materials by combining various already known materials, that is, in the production of composite materials.</p> <p>In this regard, it is very important to develop of interdisciplinary programme of education “Materials science and Technology”, which makes it possible to teach the basics of production and</p>

	<p>synthesis of new materials with predefined properties.</p> <p>Technologically advanced industries such as rocket science, aircraft construction, and automobile construction are leaders in the consumption of composite materials.</p> <p>In Uzbekistan HEI there is no training in the program of "Material Science and Technology ", although there is a high demand in highly qualified personnel for such high-tech and modern productions as GM Uzbekistan, MAN AUTO Uzbekistan, Zenith Electronics, Foton, Artel, Uzlabel, Almalyk Mining and Metallurgical Combine, "Trust electronics", "Tashkent plant of agricultural machinery", "Tashkent mechanical plant", "Olmalik metal construction", "AVTOSANOAT-CEPLA", "Uzautosanoat" and oth.</p> <p>It is necessary to develop and implement of new interdisciplinary study program "Materials science and Technology" aimed at meeting the most modern requirements of industry.</p>
Objectives and activities	<p>New study course/programme will be developed.</p> <p>Academic staff will improve of professional and teaching skills in European HEI.</p>
Proposed methodology if applicable	
Expected results	<p>New interdisciplinary study program "Materials science and Technology" aimed at meeting the most modern requirements of industry will be developed. The Materials Science and Technology study course encompasses all aspects of materials; their selection, manufacture, testing, assembly and environmental impact both during production and at the end of life.</p>
Target groups and stakerholders (enterprises, student organisations, for SM – Ministry of Higher and Secondary Specialised Education of Uzbekistan)	<p>Target groups and stakerholders: students, main industry companies in automotive, metallurgy industries and in production of composites. The specialist knowledge on this Materials Science and Technology programme can be applied to a wide range of industrial contexts including aerospace, automotive, power generation and distribution, IT and manufacturing amongst many others.</p>
If possible information about other HEIs in Uzbekistan to be involved in project	<p>Navoi State Mining Institute</p> <p>Uzbekistan State University</p> <p>Tashkent State Technical University</p>

Partner Search Form

ERASMUS + PROJECTS: JOINT PROPOSALS [DECLARATION OF INTEREST]

We are searching for:

Types of institutions:	Project coordinators University Academy Non-governmental Organizations Institute
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ERASMUS + PROJECTS: JOINT PROPOSALS: [DECLARATION OF INTEREST]

1. Erasmus + / Key Action-1 (Learning Mobility of Individuals) (EP-KA1)

- 1.01 Erasmus + / Key Action-1 / Mobility Projects in the Field of Education, Training and Youth (EP-KA1-MP)
- 1.02 Erasmus + / Key Action-1 / MP / Mobility Project for Higher Education Students and Staff (EP-KA1-MP-HEI)
- 1.03 Erasmus + / Key Action-1 / Joint Master Degrees (EP-KA1-JMD)
Remarks [e.g. levels: UND, MAS, PHD, STA; thematic fields; coordination, etc.]
Mobility for Master students, PhD students, staff for teaching, staff for training, Joint Master Degree.
Thematic fields: Chemical Engineering, Materials science, Biotechnology, Mechanical Engineering, Mechatronics Engineering

2. Erasmus + / Key Action-2 (Cooperation for Innovation and the Exchange of Good Practices) (EP-KA2)

- 2.01 Erasmus + / Key Action-2 / Strategic Partnerships in the Field of Education, Training and Youth (EP-KA2-SP)
- 2.02 Erasmus + / Key Action-2 / Knowledge Alliances (EP-KA2-KA)
- 2.03 Erasmus + / Key Action-2 / Sector Skills Alliances (EP-KA2-SSA)
Remarks [e.g. thematic fields; coordination, etc.]
Thematic fields: Chemical Engineering, Materials science, Advanced Biotechnology, Mechanical Engineering, Solar Photovoltaic Energy Systems, Nanotechnology, Nanomaterials. Development of new study courses, new educational programme, curriculum, Joint Master Degree, cooperation with industry, issues of employment of graduates.

3. Erasmus + / Jean Monnet

- 3.01 Erasmus + / Jean Monnet
Remarks:
The study of European experience in the employment of graduates of universities. Creation of study module in Chemical Engineering based on advanced European experience.
Thematic fields (some of disciplines in): Chemical Engineering, Materials science, Nanotechnology, Nanomaterials, Advanced Biotechnology, Mechanical Engineering, Mechatronics Engineering.

4. Info about University (Partner Country)

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TCTI has MoU and agreements with more than 32 Universities and academic institutions around the world. In the last 5 year there have been developed 5 Joint European Projects supported by the European Commission.

5. Contact Info

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