



ITIT

**Joint Project: Capacity Building in  
the Field of Higher Education  
ERASMUS+ 2018**

**Crisis and Risks  
Engineering for  
Transport Services**

**Institute of Telecommunication and Informatics of  
Turkmenistan, faculty of Digital Economy and  
Management**



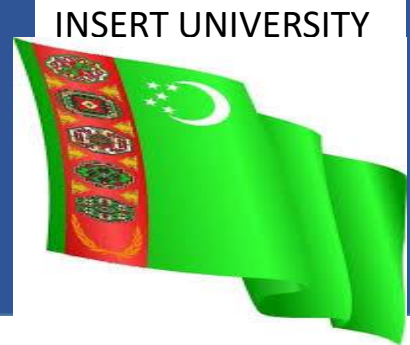
Co-funded by the  
Erasmus+ Programme  
of the European Union

**Ashgabat, 2019**

**Head of department of management  
and innovation technologies  
/Sapargul Valiyeva**



Work after the training in TU Berlin



## Institute of Telecommunications and Informatics of Turkmenistan

ERASMUS+ Project: Crisis and Risks Engineering for Transport Services / CRENG 598218-EPP-1-2018-1-PL-EPPKA2-CBHE-JP

### Training on training course 9-22 September 2019, Germany

Training for teachers and students of 3, 4, 5-th year of department “Management and Innovation technologies” and department “Economy and Applied informatics”.

15.00 – 15.05	Opening Remarks Azat Atavew vice rector ITIT
15.05 – 15.20	The Implementation of the Project Waliyewa Sapargul local coordinator
15.20 – 15.45	General Information about the Courses and Syllabi Waliyewa Sapargul
15.45 – 16.10	New Technologies and Big Data for Innovations in Crisis and Risk Management Arslan Charyyev
16.10 – 16.35	Human Factors in Design & Operations, Supply Chain Management and Networks Sadap Bashimova
16.35 – 17.00	Discussion. Further Implementation of the Project to our study programme.



Co-funded by the  
Erasmus+ Programme  
of the European Union





# Curriculums to update



Title of the existing course to update	Name of the person(s) responsible for update + email	ECTS and hours for lecture/practical work	Teaching materials that will be used	How will the teaching materials improve the existing course? What will be new in the course due to the teaching materials?	% of readiness of the course
1. Logistics and Supply chain management	Valiyeva Sapargul	5 ECTS 72 h. /72 h.	Supply chain management and networks	Improving educational content accordance with EU university demands.	70
2. Management of projects and risks at logistic systems	Bashimova Sadap	5 ECTS 36h./36h.	New challenges for crisis and risk management in logistics systems -	Improving educational content accordance with EU university demands.	60
3. Management of transport systems	Saparova Gulnara	3 ECTS 36h./18h.	Risk and crisis engineering of Transport systems –	Improving educational content accordance with EU university demands.	70
4. Occupational safety	Charyyev Arslan	36h./36h	Health, Safety & Environmental Management Systems	Improving educational content accordance with EU university demands.	60
5. Transport and business law	Kemalova Dunya	36h./36h		Improving educational content accordance with EU university demands.	25
6 Logistic infrastructure of international transit transport corridors	Valiyeva Sapargul	3 ECTS 36h./18h.	Supply chain management and networks	Improving educational content accordance with EU university demands.	60
7. Management	Bashimova Sadap	5 ECTS 72 h. /72 h.	New challenges for crisis and risk management in logistics systems	Improving educational content accordance with EU university demands.	70



Accreditation on the institutional level.



In ITIT we have department of professional development for staff of industrial enterprises, training center for workers of industrial industrial enterprises. On the institutional level creation of master degree for us very important, we put forward a proposal about this to Ministry of Education TM.

“New technologies and big data for innovations in crisis and risk management + IT Security” - 6 ECTS

is very actual in framework of our government policy for creation Digital economy.



Co-funded by the  
Erasmus+ Programme  
of the European Union



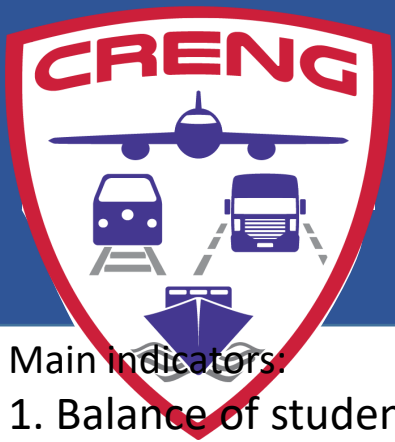
## Faculty of Digital economy and management



This questionnaire is aimed at identifying students and teachers with existing knowledge about the teaching materials of TU training, as well as about logistics, transport services, risks and crises. The implementation of this materials help for our teachers and students to get new good knowledge, particularly presentation about Siemens company and some other .



Co-funded by the  
Erasmus+ Programme  
of the European Union



# Quality assurance



Main indicators:

1. Balance of student's workload: theory, practical work (not less than 50%), individual work, internship in a company, testing system
2. Application of ECTS by developing new modules/courses/curricula or modernizing the old ones  
Usage of information about the latest (up to 5 years old) results of scientific research of foreign scientists in teaching materials
3. Usage of the university online educational platform during the educational process
4. Partial teaching and implementation of reporting works in English (20%)
5. Correspondence to the national norms (standards) of education
6. Consideration of a new module by the university council of experts with the participation of potential employers (chair meeting, meeting of educational council)
7. Publications of teaching staff or students, participation in conferences on the module's topics



Co-funded by the  
Erasmus+ Programme  
of the European Union



# Quality groups work plan



1	Constant control of implementation of tasks	Regularly
2	Need analysis	Regularly
3	Review analysis of current curricula	Regularly
4	List of curricula/courses/modules that should be modernized	Regularly
5	List of new curricula/courses/modules that should be developed	Regularly
6	Plan of modernization and development of curricula/courses/modules	Regularly
7	Implementation of modernization and development of curricula/courses/modules with participation of teaching staff that took part in the trainings in European universities	Regularly
8	Ensuring of communication with the labor market, potential employers and other organizations during implementation of the tasks	Regularly
9	Regular conducting of meetings, negotiations regarding the tasks	Regularly
10	Conducting of surveys of target groups in order to learn about their opinion regarding curricula/modules modernization/development	Regularly
11	Studying of teaching material received from the European consortium partners; summarizing, studying and disseminating of the information received on the trainings in the European universities	Regularly





## Non-consortium organizations



(Insert list of companies in your region/country, which will be the future employers of specialists in the CRENG area:

- TULM - Transport Logistic Centre of Turkmenistan – [www.tulm.gov.tm](http://www.tulm.gov.tm)
- Turkmenbaha private company
- “Turkmenhowayollary” agency – Turkmen airlines agency
- “Turkmendemiryollary” agency- Turkmen railway agency
- “Turkmen Deniz-derya yollary” agency- Turkmen maritime and river transport agency
- “Turkmenawtoulaglary” agency- Turkmen automotor transport agency
- and other industrial companies of state and private sectors of economy
- “Turkmen logistic association” - economical association





# Teacher that will develop new courses



Name of the course to be upgraded	Person/teacher/department/faculty responsible for the course upgrade	What has to be upgraded in the course?	Deadlines
1. Logistics and Supply chain management	Valiyeva Sapargul	<b>Updating programs and courses, development digital versions-drafts (.doc files) of manuals/text books/methodological recommendations for students and teachers, creation e-learning course and updating it to the MOODLE platform.</b>  <b>Improving educational content accordance with EU university demands. Students work load will be synchronized with ECTs</b>	15.04.2020
2. Management of projects and risks at logistic systems	Bashimova Sadap		15.04.2020
3. Management of transport systems	Yazdurdyeva Yazjemal		15.04.2020
4. Transport and economical law	Bashimova Sadap		15.04.2020
5. Occupational safety	Charyyev Arslan		15.04.2020



Co-funded by the Erasmus+ Programme of the European Union



# Service office

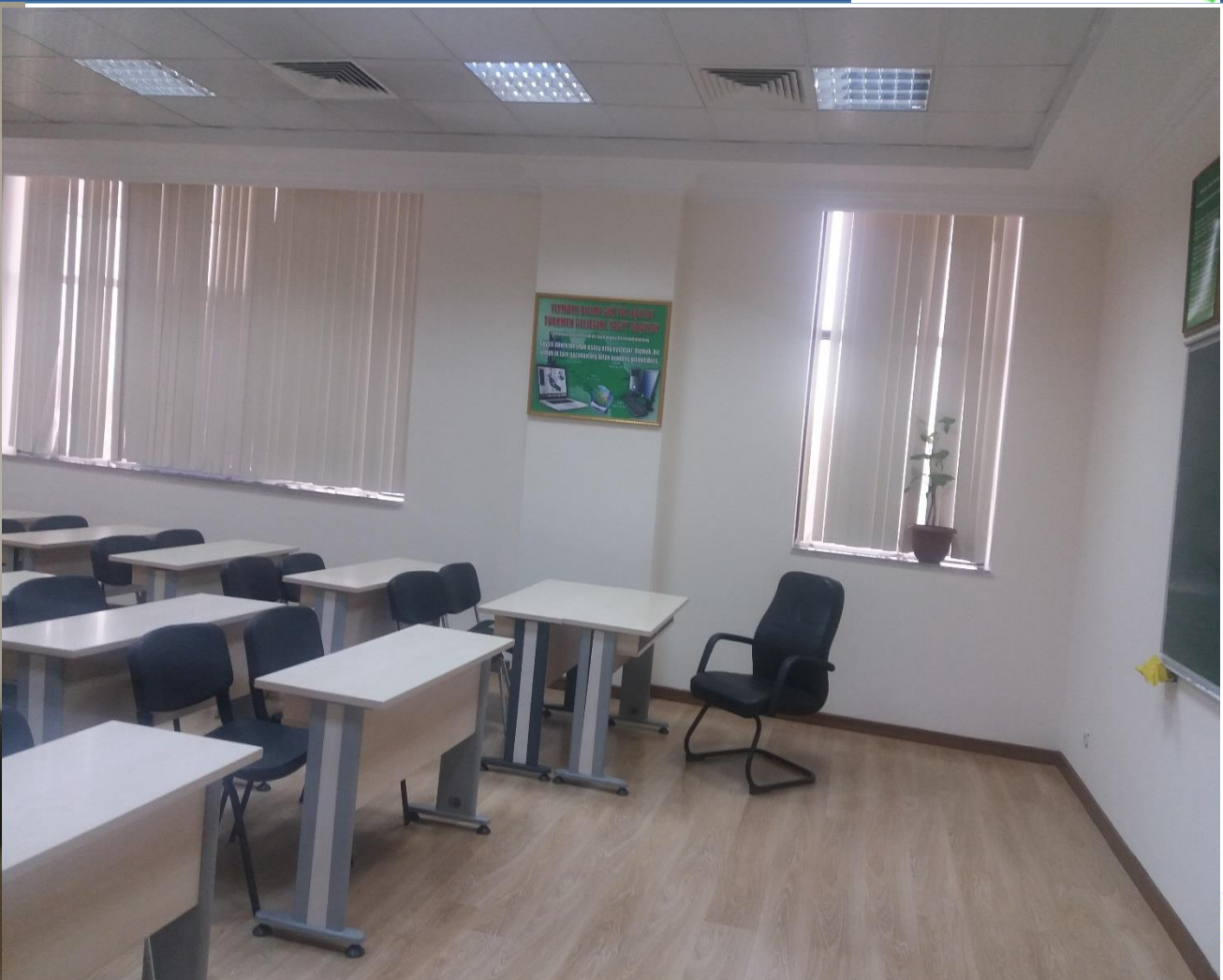


Name, Surname	Occupation	Organization	Contact info (email)
Valiyeva Sapargul	Head of department Management and innovation technologies	ITIT	sapargul@mail.ru
Bashimova Sadap	Teacher of department Management and innovation technologies	ITIT	sadapbashimowa@gmail.com
Poppyeva Ogulbagt	Head of department Telecommunication technologies	ITIT	Popyeva0@gmail.com





# Service office and VCR









# Dissemination plan



1	Speeches (report) of the project coordinator in the Academic council of ITIT;	Per quarter
2	Speeches of the participants in the training and other meetings within the project in the conference and meetings of the institute;	Per month
3	Placement of the project logo on different avenues of the institute	On e-kiosk and halls
4	A survey among students and teachers in order to disseminate information about the project at the institute	1
5	Meetings with national partner universities discussion of the project status;	Twice per month
6	Organization of trainings and seminars for students and teachers of the institute;	Project duration + min. 1 year after
7	Universities web-site Creng project based on ITIT "Digital knowledge portal" (Sanly Bilim portaly) . All information about project placed here and new materials will be added by participants .	Project duration
8	Information in traditional press- Articles in newspaper and magazines of TM. Valiyeva S. published 1 article in "Mugallymlar gazet'i" and we will to publish articles on "Возрождение" magazine on Russian and other press.	Project duration + min. 1 year after





# Dissemination plan

“Mugallymlar gazetesi” ot 15.04.2019r.



Döwletimizde adam hakydaky aradanyň hemişe baş maksat hökmünde ileri tutulýandygyna şaýatlyk edýär.

Islendik jemgyýetiniň kämilligi beden we ruhy sagdynlykdan başlanýar. «Giň bolsaň kem bolmaz», «Saglykdan özge dem bolmaz», «Abraý isleseň, köp diýme, saglyk isleseň, köp iýme», «Akyldan artyk baýlyk ýok, saglykdan gymmat zat ýok», «Bar zadyň sakasy

zähmet howpsuzlygynyň üçün çäklendirilýän kadalaryny gysarnyksyz berjaý etmek, işgärlere döredijilikli zähmet çekmek, saglygyny berkitmek üçin amatly şertleri we mümkinçilikleri döretmek babatda jogapkärçilik kesgitleýär.

Döwletimizde raýatlaryň ömiri we saglygy, hukuklary we azatlyklary ileri tutulýar. Şahsyýetiniň erkin ösüşini üp-

nistanyň Mejlisi tarapyndan «Raýatlaryň saglygynyň temmäki önümlerini täsirinden we temmäki önümlerini ulanmagyň netijelerinden goralmagy hakynda», «Raýatlaryň saglygynyň goralmagy hakynda», «Çaganyň hukuklarynyň döwlet kepillikleri hakynda», «Ýmit önümleriniň howpsuzlygynyň we hiliniň üpjün edilmegi

**Maksatberdi GURBANOW,**  
Türkmenistanyň Mejlisiniň deputaty, Yerli wekilçilikli häkimiýet we öz-özüni dolandyryş edaralary bilen işlemek baradaky komitetiniň başlygy.

boisa weylayat ýarysyndan g... düşýändigini a... yaly ederini b... re paýlanylyp... laryň utuşy t... sady — bu ý... yetjekdigine c... ýapysýan da... miziň bu muk...

## ULAG WE ARAGATNAŞYK INSTITUTY: SANLY BILIM

Mälim bolsy ýaly, 2017-nji ýylyň 15-nji sentýabrynda hormatly Prezidentimiziň Karary bilen «Türkmenistanda sanly bilim ulgamyny ösdürmegiň Konsepsiyasy» kabul edildi. Onuň esasy maksady ýurdumyzyň innowasion ösüşine laýyklykda, bilim bermeginiň ähli basgançaklaryny ýokary hilli elektron bilim maglumatlary bilen üpjün edip, berilýän bilimiň mazmununy we okatmagyň usulyýetini başlaşdyrmakdan ybaratdyr. Häzirkiki wagtda ýurdumyzyň bilim ojaklarynda hormatly Prezidentimiziň ýörite Karary bilen tassyklan sanly bilim ulgamynyň milli Konsepsiyasyny durmuşa geçirmegini meýilnamasyna laýyklykda işler alnyp barylýar. Golaýda Türkmen döwlet ulag we aragatnaşyk institutynda bolup, bu ýerde sanly bilim ulgamynyň Konsepsiyasynyň durmuşa geçirilişi we talyp ýaşlaryň kämil hünärmenler bolup ýetişmekleri ugrunda alnyp



lenilişi ýaly, olaryň häzirkiki zaman maglumat tehnologiýalaryny işjeň ulanyp bilmegini gazanmakdyr. Bu maksat bilen ýurdumyzyň ýokary okuw mekdeplerinde okuw maslahatlary, seminar-maslahatlar, söhbetdeşlikler yzygiderli geçirilip, tejribe toplanýlar.

Ýokary okuw mekdebimizde sanly bilim ulgamyny günden ornaşdyrmak maksady bilen institutyň bilim portaly döredildi. Bu

toruny ulanmaga mugallymlara we talyplara giň mümkinçilikler döredildi. Kompýuterlerde geçirilýän ders bäsleşikleri talyplarda uly gyzyklanma döredýär we olaryň dersleri öleşdirmäge höweslerini artdyrýar. Institutymyzda ýurdumyzyň ýokary okuw mekdepleri bilen okuw dersleri boýunça internet bäsleşiklerini geçirmek hem ýola goýuldy. Häzirkiki döwürde her aýda geçirilýän aralyk jemlemeleri hem kompýuterde ornaşdyrylan ýörite programma ulgamlary arkaly ýerine ýetirilýär.

lymlarynyň we talyplarynyň okuw saparlary, bu uniwersitetiň professorylarynyň Türkmenistanyň ýokary okuw mekdeplerinde sanly ykdysadyýet, informasion tehnologiýalar boýunça yzygiderli okawaýan iksisiýa-zirkiki döwürde institutumyzyň iki talyby bu uniwersitetde logistikadan on aýlyk okuw geçýärler.

Türkmen döwlet ulag we aragatnaşyk instituty Yewropa Bileleşiginiň «Erasmus+» Maksatnamasynyň «Ulag hyzmatlarynda garaşylmadyk ýagdaýlary we töwekgelçilikleri dolandyrmagyň tehniki taslanmagy» atly taslamasyna hem işjeň gatnaşýar. 2019-njy ýylyň fewral aýynda Waşawanyň Tehnologiya uniwersitetinde (Polşa Respublikasy) bu taslamanyň çäklerinde geçirilen başlangyç maslahatyna institutumyzyň iki mugallym gatnaşyp, taslamanyň wezipelerini ýerine ýetirmek barada maslahatlaşdylar, şeýle-de

Olaryň arasynda Swikau Günbat Sakson amaly ylymlar uniwersiteti, Kuala-Lumpur uniwersiteti, Lançol ulag uniwersiteti, Akademik S.P.K. rolyow adyndaky Samara milli bag ulag uniwersiteti, Belarus döwl informatika we elektronika uniwersiteti, Belarus döwlet aragatnaş akademiyasy, Akademik W.Lazyan adyndaky Dnepropetrow milli demir ýol ulaglary uniwersiteti Awtomobil ýollaryny taslamak, g... mak we ulanmak boýunça Daşke instituty bilen ylym-bilim babat alnyp barylýan hyzmatdaşlyk dö... rün talabyna laýyk ökdä hünärme... leri taýýarlamak boýunça teji... alyşmada gowy netijeler berýär.

Bilim ulgamynda önde goýl wajyp meseleleri amal etmek m... sady bilen institutyň mugallym... rynyň hünär derejelerini ýokar... dyrmak işi hem ýola goýlan. mugallymlaryň geçirýän sapa... rynda we tejribe işlerinde bilim... megiň täze usullaryny we tehni... giýalaryny ulanmaga mümkinç... berýär.

Sanly bilim ulgamyny ösd... megiň çäklerinde Türkmen döw... ulag we aragatnaşyk instituty... ulag we aragatnaşyk pudagy... işleýän işgärleriň hünär dereje... ýokarlandyrmak işini hem döw... bap guramaga giň mümkinçilil... açýlar.

Hawa, bu gün jemgyýetimi... özbaşdak çözümleri kabul edip... ýan, ukyp-başarjaňlygy we net...







# Implemented dissemination activities



Co-funded by the  
Erasmus+ Programme  
of the European Union



# Dissemination plan

## Presentation about Creng



Co-funded by the  
Erasmus+ Programme  
of the European Union



Presentation about Creng project at small conference hall of ITIT that was translated by TV "Yashlyk" channel



Co-funded by the  
Erasmus+ Programme  
of the European Union



## events of project



lan

- . October , 2019 – studying **of the training in (Berlin)**
- . November 17, 2019 – video-conference and workshop for instructors from TM partner universities
- . December 15 , Round table, 1st year results and plan for the next year
- . Meeting with partners from TM partner universities





project definitely contribute to the development of our education system through training of the teaching staff and provision of educational-methodical materials.

The project can contribute to improving the quality of education through the study of new methods of control of progress, innovation pedagogical technologies, training our professors, teachers, students in the right directions



Co-funded by the  
Erasmus+ Programme  
of the European Union



INSERT UNIVERSITY  
LOGO

**Thank you for your  
attention!**



Co-funded by the  
Erasmus+ Programme  
of the European Union