



**Periodical Report  
24 Months of project  
implementation**

# **Crisis and Risk Engineering for Transport Services**

## **TURKMEN STATE ARCHITECTURE AND CONSTRUCTION INSTITUTE**



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

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

**Head of education department  
Y. Myradov**



# QUALITY OF THE PROJECT IMPLEMENTATION



**Table 1.1. ACTIVITIES IMPLEMENTED**

	Question	Answer
1	<p>➔ Please, name activities and short description of their deliverables your university implemented so far according to the project work plan.</p> <p>➔ Please, describe activities and their results specifically for each of the Work Packages</p>	<p>1.1 A meeting of the CRENG working group and the teachers of the Department of Geodesy was held to familiarize themselves with the implementation of the schedule of teachers' work on the preparation of curricula for new and modernized disciplines in geodesy at the university.</p> <p>1.2 The working group of the CRENG project took part in the meeting of the Faculty of Road Construction. At this meeting, the curricula of the modernized and new disciplines were discussed, and specific deadlines for completion were set.</p> <p>1.3 An online meeting was held on the Zoom platform where CRENG project participants and European partners participated, where the main issues of the project implementation were discussed, Dissemination, Questionnaires,</p> <p>1.4 Together with the Department of Geodesy, the working group of the CRENG project got acquainted with the pilot training programs.</p>



# QUALITY OF THE PROJECT IMPLEMENTATION



<p>→ Please, name activities and short description of their deliverables your university implemented so far according to the project work plan.</p> <p>→ Please, describe activities and their results specifically for each of the Work Packages (WP1-WP5)</p>	<p>1.5 The curricula of all disciplines modernized according to the CRENG project, which were considered in advance at the meeting of the department and faculty, were approved by the Academic Council of the University and signed by the rector for the 2020-2021 academic year (jule-2020).</p> <p>1.7 An online meeting was held on the Zoom platform where the following issues were discussed:</p> <ul style="list-style-type: none"><li>- Fulfillment of the tasks of the protocol agreed upon at previous meetings;</li><li>- Execution of reports 18 M;</li><li>- Recommendations for the implementation of the project from.</li></ul> <p>1.8 An online meeting was held on the Zoom platform, where they discussed the procurement of equipment for PAL, VCR and PASO, the possibility of customs clearance on the territory of Turkmenistan, as well as the registration of the CRENG project with the Ministry of Finance of Turkmenistan with the aim of exemption from customs duties.</p> <p>1.9 The Faculty of Economics and management, with the participation of students and teachers, held a conference, involved in scientific work on the CRENG project, using layouts / models prepared by the project participants (november-2020).</p>
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# QUALITY OF THE PROJECT IMPLEMENTATION



2	➔ Describe positive changes/benefits in your university as the result of <u>each</u> of the implemented activities of the project	All the above activities carried out within the framework of the CRENG project give positive results in terms of improving the level and quality of training for students and teachers. To establish (select) and appoint a manager / specialist for the development of school subjects and responsible teachers for the development of new subjects and curricula at the Institute. Offer to send these teachers to study at European Universities in 2019-2020.
3	➔ Describe any problems/difficulties encountered while implementing the activities and the measures taken to solve them	There were no special problems and difficulties in the implementation of activities and current work, except for a change in the delivery time of equipment for PAL, VCR, PASO and the impossibility of conducting trainings for teachers and students in European universities due to the global pandemic, which was planned in the project



# DEVELOPMENT OF CRENG COURSES



Table 1.2.2. Courses Development

Course №	Name of discipline	Title of the course	Number of ECTS	Name of the person(s) responsible for development + email	Teachers have completed trainings regarding the course (yes or no/ in EU or at home university)	Estimate the percentage of course description development	Estimate the percentage of lecture notes/ presentations development	Estimate the percentage of course work methodology development (if applicable)	Estimate the percentage of practical/ laboratory work methodology development	Estimate the percentage of Moodle course development	Estimate the percentage of equipment and software are installed (if applicable)	Estimate the percentage of content, that is planned to be delivered in English (if applicable)
1	Industry economics	<ol style="list-style-type: none"> <li>1. New technologies and big data for innovations in crisis and risk management + IT Security</li> <li>2. Risk and crisis engineering of Transport systems</li> <li>3. Health, Safety &amp; Environmental Management Systems</li> </ol>		A. Kochayeva <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	25% content updates with new themes	75%	50%	80%	-	-	For national language
2	Management	<ol style="list-style-type: none"> <li>1. Simulation of complex transport processes and systems that operate in conditions of risks</li> <li>2. Human Factors in Design &amp; Operations</li> <li>3. New challenges for crisis and risk management in logistics systems</li> <li>4. Supply chain management and networks</li> <li>5. Health, Safety &amp; Environmental Management Systems</li> <li>6. Project management and leadership in logistics and research, through open communication and team-working</li> <li>7. Research methods and professional development</li> <li>8. Carrier Managing, Soft skills for engineers, basics of technical creativity</li> </ol>		G. Seyitmyradova <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	25% content updates with new themes	75%	50%	80%	-	-	For national language



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3	Logistic	<ol style="list-style-type: none"> <li>1. Risk and crisis forecast, Analysis and Reduction Methods and Tools</li> <li>2. Simulation of complex transport processes and systems that operate in conditions of risks</li> <li>3. Humanitarian logistics and transport services in disasters conditions</li> <li>4. Risk and crisis engineering of Transport systems</li> <li>5. New challenges for crisis and risk management in logistics systems</li> <li>6. Supply chain management and networks</li> <li>7. Project management and leadership in logistics and research, through open communication and team-working</li> <li>8. Carrier Managing, Soft skills for engineers, basics of technical creativity</li> </ol>		S. Owezova <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	30% content updates with new themes	75%	50%	80%	-	-	For national language
4	Statistics	<ol style="list-style-type: none"> <li>1. Informational-Analytic and Diagnostics for Sociotechnical System</li> </ol>		G. Meretdzhayeva <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	20% content updates with new themes	75%	50%	80%	-	-	For national language
5	Marketing	<ol style="list-style-type: none"> <li>1. Risk and crisis forecast, Analysis and Reduction Methods and Tools</li> <li>2. Informational-Analytic and Diagnostics for Sociotechnical System</li> <li>3. Supply chain management and networks</li> </ol>		K. Kerwenova/ E. Yunusova <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	30% content updates with new themes	75%	50%	80%	-	-	For national language





# DEVELOPMENT OF CRENG COURSES



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Course №	Name of discipline	Title of the course	Number of ECTS	Name of the person(s) responsible for development + email	Teachers have completed trainings regarding the course (yes or no/ in EU or at home university)	Estimate the percentage of course description development	Estimate the percentage of lecture notes/ presentations development	Estimate the percentage of course work methodology development (if applicable)	Estimate the percentage of practical/ laboratory work methodology development	Estimate the percentage of Moodle course development	Estimate the percentage of equipment and software are installed (if applicable)	Estimate the percentage of content that is planned to be delivered in English (if applicable)
6	Mikro and macro economics	1. Informational-Analytic and Diagnostics for Sociotechnical System		A. Atayeva <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	20% content updates with new themes	75%	50%	80%	-	-	For national language
7	Customs	1. Simulation of complex transport processes and systems that operate in conditions of risks 2. New challenges for crisis and risk management in logistics systems		G. Meretdzhayeva <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>	yes	25% content updates with new themes	75%	50%	80%	-	-	For national language





# DEVELOPMENT OF CRENG COURSES



## 1.2.3 TEACHING MATERIALS

№	Title of the materials	Type (manuals/text books/methodological recommendations)	Short description	Contact information on authors
1	Industry economics	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
2	Management	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
3	Logistic	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
4	Statistics	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
5	Marketing	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
6	Mikro and macro economics	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
7	Customs	methodological recommendations	We will used this content for modernized courses	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>



# TEACHING/TRAINING ACTIVITIES



## 1.3. TEACHING/TRAINING ACTIVITIES

1.3. TEACHING/TRAINING ACTIVITIES		
№	Question	Answer
1	Report on the total number of academic/administrative staff that was retrained at home university by participant of EU trainings	20

## 1.4. CRENG INTERNATIONAL TEXT-BOOK

1.4. CRENG INTERNATIONAL TEXT-BOOK		
№	Question	Answer
1	Title of Chapter developed, by your university	Chapter 9. Project management, leadership, Soft skills and Research methods for professional development
2	Name of the person(s) responsible for redacting (name, position, e-mail)	Y.Myradow Project Coordinator
3	Team of authors (name, position)	K. Kervenova, A. Atayeva, G. Ballyyev
4	Draft of Chapter content/ plan	Control, Professional Development
5	Date of the first draft of the Chapter completion	12.2020



# PROJECT BASED LEARNING



1.5. PROJECT BASED LEARNING (PBL)		
№	Question	Answer
1	Name of the person(s) responsible for PBL methodology dissemination in your university (name, position, e-mail)	<b>K. Annaberdiyev, G. Ballyvew S. Ovezova</b>
2	Title of CRENG courses, where PBL methodology will be implemented/ Name of courses developers	1. Industry economics 2. Management 3. Logistic 4. Statistics 5. Marketing 6. Mikro and macro economics 7. Customs
3	Drafts topics of future PBL projects, that will be developed	Logistic and Industry economics
4	Please, report on dissemination seminar on PBL, conducted in your institution (date, name of lecture, plan, number of participants, photos)	1. A. Kochayeva 2. G. Seyitmyradova 3. S. Owezova 4. G. Meretdzhayeva 5. K. Kerwenova 6. E. Yunusova 7. A. Atayeva 8. G. Meretdzhayeva 01.09.2020-30.05.2021 -study processing
5	Which partner (other than your partner country) are you going to cooperate on joint international PBL project development	3
6	Date of the IPBL Guidelines development in your university <i>(if it has already been developed, please attach it to the report)</i>	10/07/2021



# SKILLS WALLET



1.6 PROJECT BASED LEARNING (SW)		
No	Question	Answer
1	Name of the person(s) responsible for implementation SW in your university (name, position, e-mail)	1. Myradov Yolly Head of educational department 2. Keyik Kervenova Head of the department of Expertise and management of real estate 3. Annasona Atayeva Head of the department of Economic management in enterprises <a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a> <a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
2	Title of CRENG courses, where project-based learning (SW) will be implemented/ Name of courses developers	Logistic
3	Did your university use all SW templates developed by SUIT? If not, which changes did you made and why?	yes
4	How did you evaluate the awareness of students and teachers on SW in your university? Please provide templates of questionnaire if any	Within the framework of the project, information about the project's activities was disseminated
5	Did you conduct any additional webinars on SW implementation at your university for students/ teachers (indicate the date, number of participants, photo)	Look presentation 24m
6	How many students did you attract to participate in SW?	300-450
7	How many companies did you attract to SW? Please provide list of companies and responsible persons	3
8	How are you going to evaluate the effectiveness of SW implementation in the at your university? Please provide templates of questionnaire	good
9	How are you going to promote SW in your university? Please provide the list of activities	



# IMPACT AND SUSTAINABILITY



Table 2.1. DISSEMINATION EVENTS-1

№	Question	Answer
1	How many dissemination events were conducted?	1. Participation in the International Exhibition held in November 2019 in Ashgabat. 2. Posting information about the project on the educational portal and on the website of the institute. 3. Speech at conferences held at the institute.  - with pandemic situation we have not good possibility for more events
2	How much and which new dissemination materials were produced (leaflets, brochures, flyers etc)?	A mock-up of the CRENG project was created and was presented to the public at the International Exhibition held in November 2019 in Ashgabat. A project brochure has been published for this exhibition.  500-600 pcs.
3	Report on the dissemination of the information about the project in mass media	tdbgi.edu.tm
4	Planned dissemination activities	Second year dissemination plan
5	Report on signing of CRENG+ Agreement with academic and non-academic partners inside and outside the consortium	2

Describe each of the dissemination events:



# Dissemination picture meeting with national Erasmus office







# Dissemination picture

## Science council





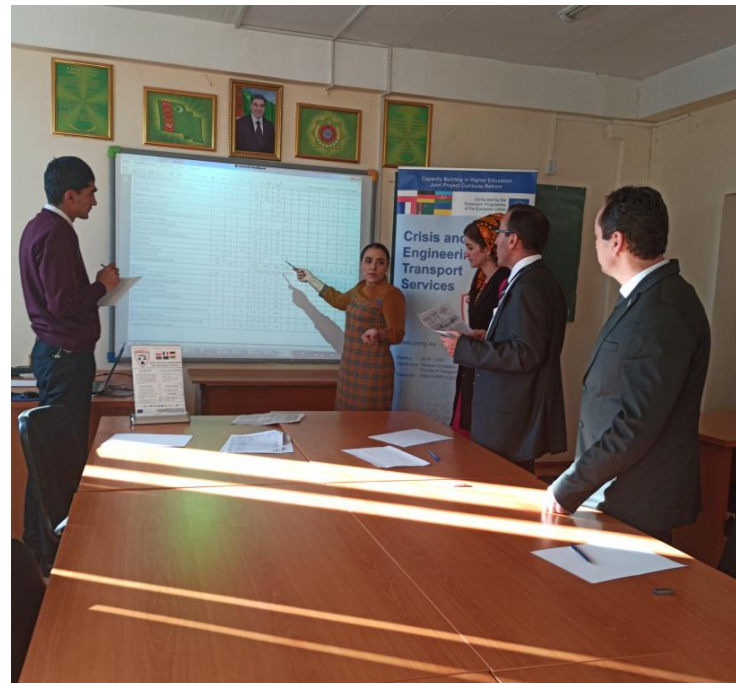


# Dissemination picture meeting with work group





# Dissemination picture meeting with work group





# Dissemination picture meeting with work group





# IMPACT AND SUSTAINABILITY



**Table 5.1.2. DISSEMINATION EVENTS**

No	Date	Title	Target Audience	Number of participants
1	14.09.- 15.09.2019	At the exhibition Participation in the international exhibition-fair and conference "Education and Sport in the Age of Power and Happiness"	guests	12
2	28.09.2020	Lecturers of the Department of "Expertise and management of real estate"	Teaching staff of the department	12
3	09.11.2020	Lecturers of the Department of "Expertise and management of real estate"	Teaching and student staff of the department	18
4	26.10.2020	Student of the Department of Economic management in enterprises	Teaching staff of the department	8
5	12.11.2020	Student of the Department of Economic management in enterprises	Teaching and student of the department	15





# IMPACT AND SUSTAINABILITY



**Table 2.3. INDUSTRIAL PARTNERS**

Nº	Question	Answer
1	Please, provide a list of non-academic partners and organizations outside the project, with which you maintain communication and which could be interested in hiring your graduates	<ol style="list-style-type: none"> <li>1. School of Economics and Business;</li> <li>2. "Döwletli diýar" economic society;</li> <li>3. Private Enterprise "Adjayyp durmush";</li> <li>4. Economic society "Alem dostlugy"</li> </ol>
2	Please, provide information regarding the planned dissemination events for the interested in the project stakeholders, non-academic partners and organizations outside the project.	<ul style="list-style-type: none"> <li>- Cooperation in the field of logistics;</li> <li>- Lectures by specialists for students;</li> <li>- If necessary, assist in the employment of graduate students</li> </ul>

**Table 2.4. CRENG Service Office**

Nº	Question	Answer
1	Name of the person(s) responsible for CRENG SO operation in your university	<ol style="list-style-type: none"> <li>1. Myradov Yolly Head of educational department</li> <li>2. Keyik Kervanova Head of the department of Expertise and management of real estate</li> <li>3. Annasona Atayeva Head of the department of Economic management in enterprises</li> </ol>
2	Provide scan of CRENG SO regulations approved at institutional level (if you still didn't)	<ol style="list-style-type: none"> <li>1. The charter of the office was approved;</li> <li>2. Approved responsible persons for the institute;</li> <li>3. An action plan has been drawn up.</li> </ol>
3	Provide scan of CRENG SO business plan/ work plan approved at institutional level	The PASO regulation of our university is currently developed and will be approved by the rector after the equipment is received
4	Indicate activities, that was already been implemented according to CRENG SO business plan (title of activity, date, link to agenda, number of persons involved)	The PASO work plan cannot be executed due to lack of equipment.
5	Provide link to the CRENG SO web page at the university website / FB page or any other digital source of CRENG SO	A link to the PASO web page will be posted on the university website once it starts tdbgi.edu.tm



## SOCIAL INCLUSION

Table 4.1. SOCIAL INCLUSION		
Nº	Question	Answer
1	Please, report on the Involvement of people with fewer opportunities (examples are provided below) from your universities in the project	The number of students participating in educational programs developed under the CRENG project is 0%.

## COMMUNICATION PROCESS, ADDITIONAL INFORMATION

Table 5.1. COMMUNICATION PROCESS, ADDITIONAL INFORMATION		
Nº	Question	Answer
1	Please, report on the communication process between your University and other PC Institute, EU partners, the Coordinator, and other project participants	➔ Communication between the participants of the CRENG project is carried out via the Internet (Skype, Zoom, Gmail, Mail) and telephone.
2	Additional information	In connection with the coronavirus pandemic and a number of other objective reasons, we consider it advisable to apply to the European Commission on Education with a request to extend the duration of the CRENG project for at least six months or a year, in order to fully achieve its goals by all institute participating in it.



# Thank you for you attention!



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**Head of education department Y. Myradov**