



Periodical Report  
18 Months of project  
implementation

# Crisis and Risks Engineering for Transport Services

## AZERBAIJAN TECHNICAL UNIVERSITY FACULTY OF TRANSPORT AND LOGISTICS



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

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

PROF. DR. SUBHAN NAMAZOV

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### Implemented activities for each of the Work Packages (WP1-WP5)

#### **WP1**

As per the agreement reached within the project, necessary conditions were established for initiating training of specialists at the Master's level for the first time in Azerbaijan. For this purpose, necessary arrangements were defined, and a working group was set up, and the necessary agreements were reached with universities and the incumbents of labor market in the country.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### Implemented activities for each of the Work Packages (WP1-WP5)

#### **WP2:**

Admission plan for implementation of master's education was submitted and approved by the Cabinet of Ministers of the Republic of Azerbaijan this year. The curriculum of the specialty was developed and approved by the Ministry of Education and other partner universities in Azerbaijan. The specialists were instructed to compile necessary course materials.

The teaching-methodological base which is under development shall facilitate the teaching process. 9 instructors from AzTU attended the trainings for adaptation of the curricula to the curricula of the partner European countries.

These instructors conducted 3 master classes and seminars for students and other instructors at AzTU .

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### Implemented activities for each of the Work Packages (WP1-WP5)

#### **WP3:**

According to the valid rules in Azerbaijan, the accreditation process is carried out after the first graduation. Therefore, the accreditation for this specialty can be carried out not earlier than 2023. Given the forthcoming accreditation of AzTU as a university, it is possible to perform self evaluation of the specialty. As per the valid rules, a self-evaluation commission is to be established for the purpose.

We have conducted a survey among the students about the demand for the specialty, and according to the results, more than 85% of students expressed their positive interest in the specialty.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### Implemented activities for each of the Work Packages (WP1-WP5)

#### **WP4:**

Special attention is paid for sharing project information. The information is widely shared on the social media and university website. So far, about 15 events were held, 3 seminars were organized, master classes were conducted, and the importance of the project was conveyed to the general scientific community at AzTU within the framework of project activities.

At the same time, specialists and companies engaged in the relevant field in the local labor market were informed about the project and its contributions to existing labor market. Contracts were concluded with 3 of these companies.

Relevant project information was shared on the university's website and are being posted on the home page continuously.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### Implemented activities for each of the Work Packages (WP1-WP5)

#### **WP5:**

Dedicated project management team were established including specialists, students and administrative staff by the order of the rector.

At the same time, we keep coordinating activities with project partners in Azerbaijan.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### **Positive changes at Azerbaijan Technical University as the result of each of the implemented activities of the project**

- Specialists received relevant trainings for the first time due to the demand in the relevant field in the local labour market;
- Curricula were adapted to the subject taught in European universities;
- The instructor staff gained experience and professional growth through trainings;
- The hardware and software to be procured under the project establishes necessary condition for serious innovative developments in the area.
- This area is being enriched with new course materials.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.1. PROJECT ACTIVITIES

### **Difficulties encountered while implementing the activities**

- Lack of some course materials in Azerbaijan, due to new area of specialization at master's program;
- Lack of experience in approval of international projects and managing time



1. QUALITY OF THE PROJECT IMPLEMENTATION

1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

1.2.1. MA Program development

Responsible persons for development			
1	Subhan Namazov	Vice-rector for International Affairs	subhan.namazov@aztu.edu.az
2	Malik Qarayev	Head of the department of Master’s and doctoral degree programs	malik.qarayev@aztu.edu.az
3	Razim Bayramov	Head of the department of Transport logistics and traffic safety	razim.bayramov@aztu.edu.az
4	Fuad Dashdamirov	Assoc. prof. at the department of Transport logistics and traffic safety	dr.fuad@rambler.ru

1. QUALITY OF THE PROJECT IMPLEMENTATION

1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

1.2.1. MA Program development

Percentage of CRENG MA program development	95 %
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# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

### 1.2.1. MA Program development

#### Process of accreditation of MA program CRENG in Azerbaijan

In accordance with the valid rules in Azerbaijan, the accreditation is implemented by the Agency for Quality on Education under the Ministry of Education of the Republic of Azerbaijan. The accreditation process is carried out after the first graduation in each specialty. Therefore, official accreditation for this specialty can be carried out no earlier than 2023.

#### **The process is carried out as follows:**

First of all, the general self-evaluation of the university is carried out. The results are submitted to the Agency. The Agency establishes a special Commission for Accreditation. The commission determines the facts by conducting physical inspections on specific issues during about 10 days and issues a reference within about a month. The reference is discussed and a decision is made on specialties.

The Agency for Quality Assurance on Education was reorganized in Azerbaijan. Accreditation rules are currently being upgraded. The key points of the accreditation rules are being adapted to European rules. Both professional and institutional assessments could be performed here.

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

### 1.2.1. MA Program development

#### **Estimated date of accreditation on institutional level**

Accreditation of AzTU at institutional level **is planned for 2021.** The last Accreditation Certificate was obtained in 2016.

#### **Estimated date of accreditation on national level**

Approximate date of student admission on pilot training is **September 2020.**

The trainings of MA programs within CRENG project will be **carried out by AzTU in academic year 2020-2021.**

#### **Estimated date of students' enrolment on new MA program**

Admission of the first master's students for the program **will be carried out in 2020.** The Cabinet of Ministers of the Republic of Azerbaijan approved the student admission plan. Initial planning is **to admit 12 master's students.**

# 1. QUALITY OF THE PROJECT IMPLEMENTATION

## 1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

### 1.2.1. MA Program development

#### **Results of agreement with the Ministry of education of new CRENG MA program opening**

As a summary of the Skype meeting, the Vice-Rectors of the Universities from Azerbaijan came together at the Ministry of Education, and discussed the views expressed in the report and respective response is issued accordingly.

The curriculum of the specialty were discussed and agreed at the Ministry of Education.

In addition, request is issues to Ministry of Education by the rectors of the Universities for its approval with new title by the Cabinet of Ministers.

1. QUALITY OF THE PROJECT IMPLEMENTATION

1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

Table 1.2.2. Courses Development

Course №	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	New technologies and big data for innovations in crisis and risk management + IT Security	8	Mehman Hasanov hasanovnew@gmail.com	yes	60	70	N/A	30	60		N/A
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	4	Gazanfar Axundov aqezenfer01@gmail.com	yes	65	60	N/A	N/A	50	N/A	N/A
3	Simulation of complex transport processes and systems that operate in conditions of risks	6	Fuad Dashdamirov dr.fuad@rambler.ru	yes	50	50	N/A	50	60		N/A
4	Human Factors in Design & Operations	6	Allahverdi Sharifov s.allahverdi@mail.ru	yes	70	90	N/A	N/A	90	N/A	N/A
5	Humanitarian logistics and transport services in disasters conditions	6	Nijat Zohrabov nidjatzoxrabov@mail.ru	yes	80	60	N/A	N/A	60	N/A	N/A
6	Informational-Analytic and Diagnostics for Sociotechnical System		Mehman Hasanov hasanovnew@gmail.com	yes	75	50	N/A	N/A	50		N/A
7	Risk and crisis engineering of Transport systems	6	Fuad Dashdamirov Dr.fuad@rambler.ru	yes	70	70	30	N/A	70		60
8	New challenges for crisis and risk management in logistics systems	4	Allaz Aliyev Aliev_allaz@mail.ru	yes	65	50	N/A	N/A	50	N/A	N/A
9	Supply chain management and networks	8	Fuad Dashdamirov dr.fuad@rambler.ru	yes	90	60	N/A	N/A	70	N/A	60
10	Health, Safety & Environmental Management Systems	4	Allaz Aliyev aliev_allaz@mail.ru	yes	80	75	N/A	N/A	90	N/A	N/A
11	Project management and leadership in logistics and research, through open communication and team-working	6	Allahverdi Sharifov s.allahverdi@mail.ru	yes	80	75	50	N/A	80	N/A	N/A
12	Research methods and professional development	4	Azad Babayev babayevazad69@gmail.com	yes	85	60	N/A	N/A	65	N/A	60
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	4	Nijat Zohrabov nidjatzoxrabov@mail.ru	yes	85	60	N/A	N/A	60	N/A	70

1. QUALITY OF THE PROJECT IMPLEMENTATION

1.2. DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

1.2.3 TEACHING MATERIALS

1.2.3 TEACHING MATERIALS				
No	Title of the materials	Type (manuals/text books/methodological recommendations)	Short description	Estimated date of the development of the digital versions-drafts (.doc files)
1	New technologies and big data for innovations in crisis and risk management + IT Security	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
3	Simulation of complex transport processes and systems that operate in conditions of risks	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
4	Human Factors in Design & Operations	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
5	Humanitarian logistics and transport services in disasters conditions	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
6	Informational-Analytic and Diagnostics for Sociotechnical System	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
7	Risk and crisis engineering of Transport systems	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
8	New challenges for crisis and risk management in logistics systems	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
9	Supply chain management and networks	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
10	Health, Safety & Environmental Management Systems	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
11	Project management and leadership in logistics and research, through open communication and team-working	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
12	Research methods and professional development	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	Lecture materials	The lecture material will cover all the topics defined to be taught in course syllabi.	July 2020

1. QUALITY OF THE PROJECT IMPLEMENTATION

1.3. TEACHING/TRAINING ACTIVITIES

1.3. TEACHING/TRAINING ACTIVITIES		
No	Question	Answer
1	Report on the total number of academic staff that was trained during the during project trainings in EU	10
2	Report on the total number of academic/administrative staff that was retrained at home university by participant of EU trainings	70



1. QUALITY OF THE PROJECT IMPLEMENTATION

1.4. CRENG INTERNATIONAL TEXT-BOOK

1.4. CRENG INTERNATIONAL TEXT-BOOK		
No	Question	Answer
1	Title of Chapter developed, by your university	Chapter 2. Risk and crisis forecast, Analysis and Reduction Methods and Tools Bak
2	Responsible person for redacting (name, position, e-mail)	Fuad Dashdamirov Lecturer dr.fuad@rambler.ru
3	Team of authors (name, position)	Fuad Dashdamirov Lecturer dr.fuad@rambler.ru
4	Draft of Chapter content/ plan	1.Risk concept 2.Risk analysis techniques 3.Risk Management in the Transport Sector 4.Risk and Crisis Management in the Supply Chain 5.Risk and Crisis Management in Road Traffic 6.Risk and Crisis Management in Rail Transport
5	Date of the first draft of the Chapter completion	30 September 2020

1. QUALITY OF THE PROJECT IMPLEMENTATION IMPACT AND SUSTAINABILITY

1.5. PROJECT BASED LEARNING (PBL) DISSEMINATION EVENTS-1

1.4. CRENG INTERNATIONAL TEXT-BOOK		
No	Question	Answer
1	Name of the person(s) responsible for PBL methodology dissemination in your university (name, position, e-mail)	Subhan Namazov subhan.namazov@aztu.edu.az
2	Title of CRENG courses, where PBL methodology will be implemented/ Name of courses developers	Risk and crisis engineering of Transport systems /Fuad Dashdamirov  New challenges for crisis and risk management in logistics systems/ Allaz Aliyev
3	Drafts topics of future PBL projects, that will be developed	
4	Please, report on dissemination seminar on PBL, conducted in your institution (date, name of lecture, plan, number of participants, photos)	Will be implemented in June 25
5	Which partner (other than your partner country) are you going to cooperate on joint international PBL project development	

## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

**Dissemination meetings** on project activities for students, teachers and administrative staff of AzTU incl. top management:

- 09 October 2019 for teachers (Berlin training)
- 15 October 2019 for students (Berlin training)
- 24 December 2019 for students (Warsaw training)
- 25 December 2019 for teachers (Warsaw training)
- 10 February 2020 for teachers (Valenciennes training)

## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

#### 9 October 2019 - Dissemination meeting with teachers (Berlin Training)





## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

15 October 2019 - Dissemination meeting with students (Berlin Training)



## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

**10 February 2020 - Dissemination meeting with teachers and project work group (Valenciennes training)**



## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

#### Dissemination of the information about the project in mass media

##### 1. Launch of the ERASMUS+ CRENG project (04.03.2019)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20190304113735351187&keyword=&searchtype=>

<http://zim.az/aztu/4289-azrbaycan-texniki-universiteti-yeni-erasmuska2-layihsinin-icrasna-balayb.html>

##### 2. Next round of discussions in the framework of ERASMUS+ CRENG project at AzTU (08.07.2019)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20190709120925516260&keyword=creng&searchtype=subject>

##### 3. Participation of instructors of AzTU in trainings held at the Technical University of Berlin (20.09.2019)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=2019092414101007675&keyword=&searchtype=>

<https://azertag.az/xeber/1334094>

##### 4. AzTU and 166 Global Logistics LLC signed a cooperation agreement (24.09.2019)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20190924154654302854&keyword=&searchtype=>

<http://aztu.edu.az/azp/creng/en/meeting/m4.jsp>

##### 5. Dissemination Workshop at Azerbaijan Technical University (09.10.2019)

<http://aztu.edu.az/azp/creng/en/meeting/m6.jsp>

##### 6. Dissemination for students Workshop in Azerbaijan Technical University (15.10.2019)



## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

#### Dissemination of the information about the project in mass media

##### 7. NEO Monitoring (Azerbaijan Technical University)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=2019102512090907342&keyword=&searchtype=>

<https://azertag.az/xeber/1347541>

##### 8. Participation of instructors of AzTU in trainings held at the Warsaw University of Technology in Poland (10.12.2019)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20191210151403983159&keyword=&searchtype=>

<http://aztu.edu.az/azp/creng/en/meeting/m8.jsp>

##### 9. NEO Monitoring meeting on CRENG at Baku Engineering University (25.11.2019)

<http://aztu.edu.az/azp/creng/en/meeting/m7.jsp>

##### 10. Seminar for instructors and students on trainings held at the Warsaw University of Technology in Poland within the CRENG project (24.12.2019-25.12.2019)

##### 11. Participation of instructors of AzTU in trainings held at the Polytechnic University of Hauts-de-France (27.01.2020)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20200127140822132138&keyword=&searchtype=>

<http://zim.az/aztu/4741-aztu-nun-mkdalar-fransann-valansyen-universitetind-treningd.html>

##### 12. AzTU and Absheron Logistics Center signed a Memorandum of Cooperation (22.01.2020)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20200122121544562905&keyword=absheron&searchtype=subject>

##### 13. Skype meeting of representatives of CRENG Project Management Board and local coordinators from partner universities of Azerbaijan (23.01.2020)

##### 14. Seminar for instructors on trainings held at the Polytechnic University of Hauts-de-France (10.02.2020)

<http://aztu.edu.az/azp/#/azp/etc/newsView.do?deptid=0&articleid=20200210143134185388&keyword=creng&searchtype=subject>

<https://azertag.az/xeber/1410093>



## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

Dissemination of the information about the project in mass media



**AzTU-nun müəllimləri Berlin Texniki Universitetində təlimlərdə iştirak ediblər**  
24.09.2019 [16:03]



Bakı, 24 sentyabr, **AZƏRTAC**

Azerbaycan Texniki Universitetinin (AzTU) amakdaqları - dosent Fuad Dağdemirov, dosent Allahverdi Şerifov və baş mualimin Nikol Zhrubovun nəqliyyat servisi üçün bəhrənə və risklər müdaliyyəti (CRENG) üzrə "Erasmus+ KA2" layihə çərçivəsində Berlin Texniki Universitetində keçirilən təlimlərdə iştirak edə bilər. Layihə çərçivəsində universitetdə program laboratoriyasının yaradılması, laboratoriya üçün avadanlığın və "Anylogic" program təminatının alınması nəzərdə tutulur.

AzTU-dan **AZƏRTAC**-ə bildirilib ki, təlimlərdə layihəyə uyğun olaraq müvafiq magistr proqramı (Nəqliyyat logistika) üzrə tədris olunaçaq fənlərin məzmunu, dərslərinin təyinatı, müasir tələblərə uyğun yeni kurikulumun və tədris vəsaitlərinin hazırlanması barədə tövsiyələr verilib. Eyni zamanda, təlimlərdə müasir dövrə nəqliyyat proseslərinə yaranma ehtimalı olan risklər və onların aradan qaldırılmasını müasir üsulları ətrafında məzəkilər aparılıb.

Sonda iştirakçılara sertifikatlar təqdim olunub.



**Azərbaycan Texniki Universitetində “Erasmus+KA2” layihəsi çərçivəsində növbəti görüş**



Bakı, 25 oktyabr, **AZƏRTAC**

Azərbaycan Texniki Universitetində (AzTU) "Nəqliyyat servisi üçün böhran və risklər mühəndisliyi (CRENG)" "Erasmus+KA2" layihəsi çərçivəsində növbəti görüş keçirilib.

AzTU-dan **AZƏRTAC**-a bildirilib ki, beynəlxalq əlaqələr üzrə prorektor, professor Sübhən Namazov layihənin Azərbaycan tərəfi üçün faydasını qeyd edib. Prorektor nəqliyyat sahəsində iki dil proqramının imkanlarından danışıb və AzTU-nun layihə çərçivəsində yerinə yetirdiyi işlər haqqında məlumat verib.

Daha sonra layihənin meneceri Konrad Levçuk təqdimatla çıxış edib və sualları cavablandırıb.



Azərbaycan Texniki Universitetində Erasmus+KA2 layihəsi çərçivəsində semin  
10.02.2020 [16:06]



Bakı, 10 fevral, **AZƏRTAC**

Azərbaycan Texniki Universitetində (AzTU) "Nəqliyyat servisi üçün böhran və risklər mühəndisliyi (CRENG) Erasmus+KA2" layihəsi çərçivəsində seminar keçirilib.

AzTU-dan **AZƏRTAC**-a bildirilib ki, universitetin beynəlxalq əlaqələr üzrə prorektoru, professor Sübhan Namazov layihənin əhəmiyyətindən danışıb.

Sonra neqliyyat və logistika fakültəsinin əməkdaşları - dosentlər Əliyəv Əliyev və Azad Babayev, həmçinin Qazanlar Axundov "Neqliyyat servisi üçün böhran və risklər mühəndisliyi (CRENG) "Erasmus+KA2" layihəsi çərçivəsində Fransanın

Seminarda nəqliyyat logistikası magistr ixtisaslaşması üzrə tədris olunacaq fənlər haqqında fikir mübadiləsi aparılıb.

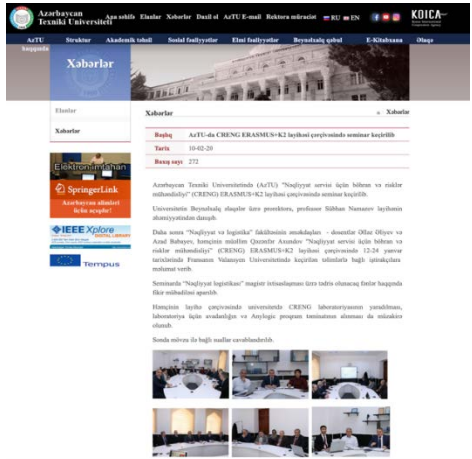
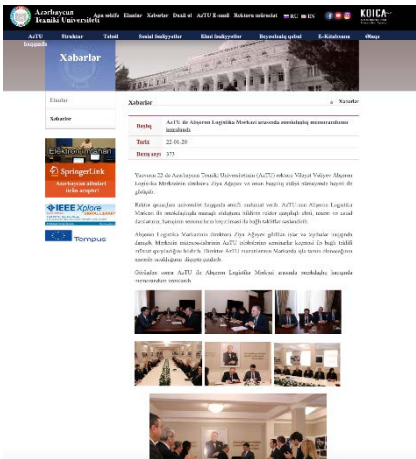
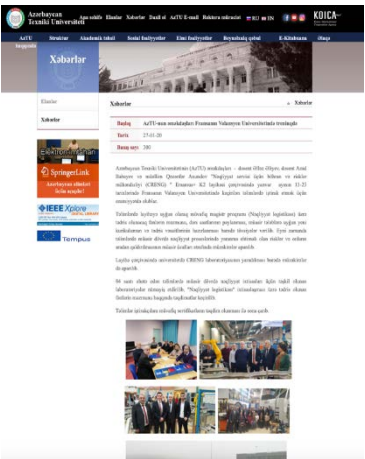
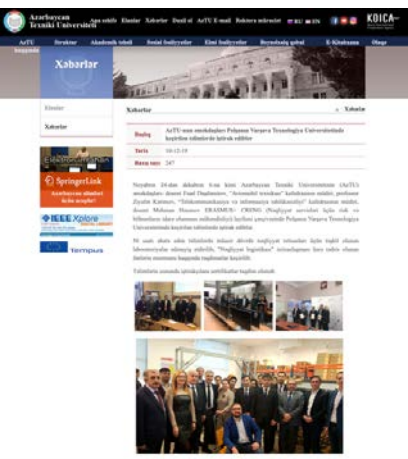
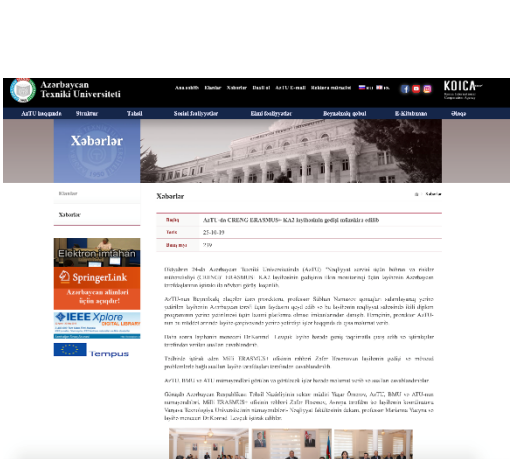
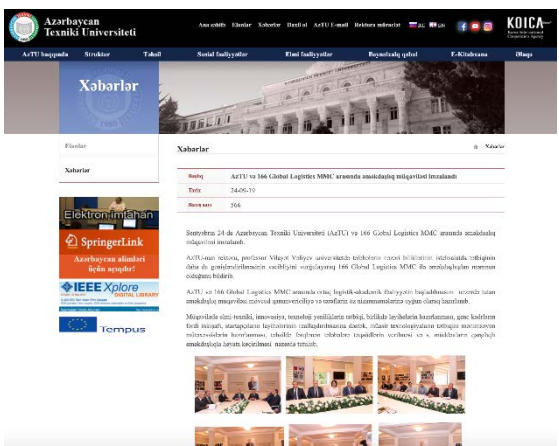
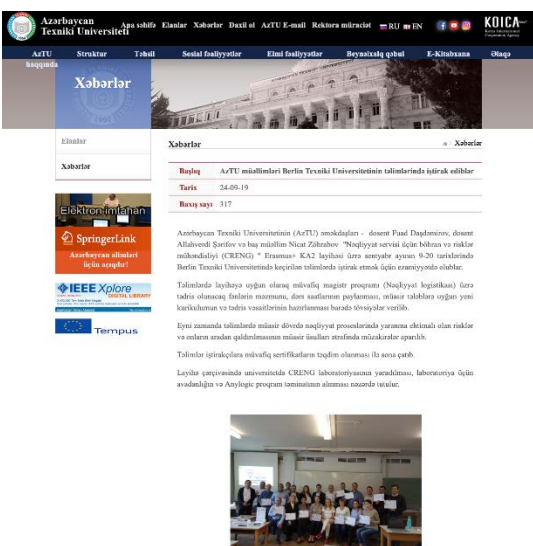
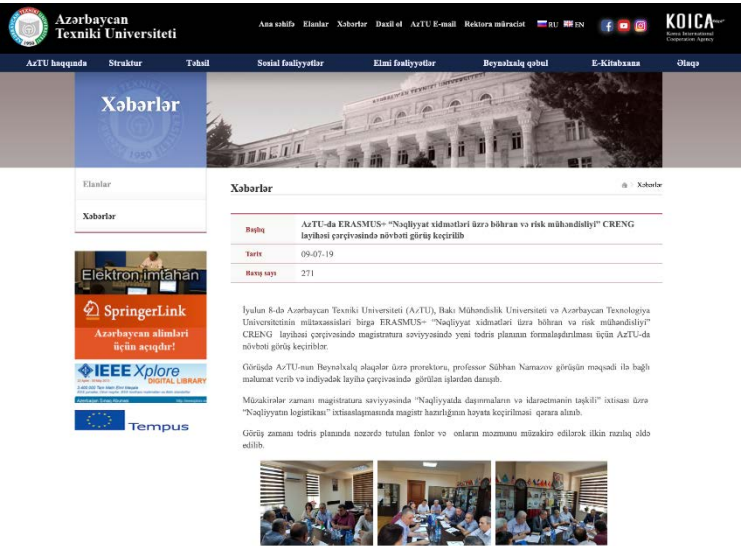
Hemçinin layihə çərçivəsində universitetdə CRENG laboratoriyasının yaradılması, laboratoriya üçün avadanlığın və Anylogic program təminatının alınması müzakirə olunub.

Sonda mövzu ilə bağlı suallar cavablandırılıb.

# 2. IMPACT AND SUSTAINABILITY

## 2.1. DISSEMINATION EVENTS-1

### Dissemination of the information about the project in mass media







## 2. IMPACT AND SUSTAINABILITY

### 2.1. DISSEMINATION EVENTS-1

Signing of CRENG+ Agreement with academic and non-academic partners inside and outside the consortium

We have agreed to sign contracts with several companies in the labor market in this area. Although this has been delayed due to the pandemic, the contracts are about to be signed.

- 166 Global Logistics LLC
- State Automotive Transport Service

2. IMPACT AND SUSTAINABILITY

2.2. DISSEMINATION EVENTS-2

Table 2.2. DISSEMINATION EVENTS-2					
No	Date	Title	Target Audience (list of target groups)	Number of participants	Is there a press-release of the event (YES/NO). If YES, provide it
1	19.06.2019	Presentation about project activities with EU countries	All interested AzTU staff	25	YES
2	08.07.2019	Workshop in AzTU all partners from Azerbaijan	Teams project CRENG from AzTU, ATU, BEU and academic staff	20	YES
3	24.09.2019	AzTU top management and non-academic partners were informed about CRENG project	All interested AzTU and staff from 166 Global Logistics LLC	25	YES
4	09.10.2019	Workshop in Azerbaijan Technical University	All interested AzTU	30	YES
5	15.10.2019	Dissemination for students Workshop in AzTU	Students faculty Transportation and logistics of AzTU	40	YES
6	24.12.2019	Info session for students faulty Transportation and Logistics about the CRENG project	Students faculty Transportation and logistics of AzTU	90	YES
7	25.12.2019	Presentation of the project for teachers at the Faculty	Teachers at the Faculty of Traspartoion Logistics	30	YES
8	10.02.2020	Presentation of the project for teachers at the Faculty	Academic staff at the faculty Transportation and logistics and all interested	22	YES

2. IMPACT AND SUSTAINABILITY

2.3. INDUSTRIAL PARTNERS

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	<p>List of non-academic partners and organizations:</p> <ul style="list-style-type: none"><li>1. 166 Global Logistics LLC</li><li>1. State Automotive Transport Service</li><li>1. Absheron Logistic Center</li></ul>
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>➔ Inform us about the planned date of the next event. If the event has already taken place, send us its press release;</li><li>➔ Send scans of bilateral agreements between university and farmers/research centers/ other non-academic partners;</li></ul> <ul style="list-style-type: none"><li>• 166 Global Logistics LLC (September 2019)</li><li>• Absheron Logistic Center (December 2019)</li></ul> <p>Scans of bilateral agreements with a non-academic partner is provided in the separate files:</p> <p>18M AzTU - Agreement with 166 Global Logistics LLC.pdf</p> <p>18M AzTU - Agreement with Absheron Logistic Center.pdf</p>

### 3. QUALITY ASSURANCE

#### 3.1. QUALITY ASSURANCE – MA Program CRENG

##### **List of the Quality indicators with the help of which quality of the MA Program will be assessed:**

- Adaptation of master program to the requirements of the labor demand.
- The role of program in personal competence
- Adaptation of courses in the curriculum to the curriculums at European universities
- The level of adaptation of education credits
- Level of adaptation of material and technical base and capacity building
- The level of deployment of information technologies
- Availability level of educational and methodical base
- Having cyclic external quality assurance process of syllabus, study programs, lecture materials.

3. QUALITY ASSURANCE

3.1. QUALITY ASSURANCE – MA Program CRENG

List of possible peer reviewers (name and position)	
Ruslan İmamquliyev	Head of 166 Global Logistics LLC
Rauf Mammadov	Associate professor at the department of Mechanical Engineering of BEU
Bakhtiyar Namazov	Associate professor at the department of Mechanical Engineering of BEU
Allahverdi Sharifov	Associate professor at the department of department of Transport logistics and traffic safety of AzTU
Sadir Guliyev	Vice-dean of the faculty of Light industry and Logistics of UTECA



### 3. QUALITY ASSURANCE

#### 3.2. QUALITY ASSURANCE – Courses -1

##### **List of the Quality indicators with the help of which quality of the MA Program will be assessed:**

- Adaptation of master program to the requirements of the labor demand.
- The role of program in personal competence
- Adaptation of courses in the curriculum to the curriculums at European universities
- The level of adaptation of education credits
- Level of adaptation of material and technical base and capacity building
- The level of deployment of information technologies
- Availability level of educational and methodical base
- Having cyclic external quality assurance process of syllabus, study programs, lecture materials.

3. QUALITY ASSURANCE

3.2. QUALITY ASSURANCE – Courses -2

Table 3.3.QUALITY ASSURANCE – Courses -2		
Course №	Course title	Peerrewires (Name, position)
1	New technologies and big data for innovations in crisis and risk management + IT Security	1. Assoc. prof. Dr. Mehman Hasanov - Head of the department of Telecommunications and IT security of AzTU 2. Lala Piriyeva - Head of department quality assurance at the Office of Academic affairs
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	1. Prof. Dr. Ziyafət Kərimov – head of department of Automotive Engineering of AzTU 2. Elshan Manafov - Assoc. Prof. at the department of Exploitation of railway Transport of AzTU
3	Simulation of complex transport processes and systems that operate in conditions of risks	1. Azad Babayev – Assoc. Prof. at the department of Automotive engineering of AzTU 2. Lala Piriyeva - Head of department quality assurance at the Office of Academic affairs
4	Human Factors in Design & Operations	1. Bakhtiyar Namazov – Assoc. Prof. at the department of Mechanical Engineering of BEU 2. Ruslan İmamquliyev - Head of 166 Global Logistics LLC
5	Humanitarian logistics and transport services in disasters conditions	1. Assoc. prof. Dr. Zakay Shayev - Dean of the faculty of Transportation and Logistics 2. Allahverdi Sharifov – Assoc. prof. of the department of Transport logistics and traffic safety of AzTU
6	Informational-Analytic and Diagnostics for Sociotechnical System	1. Assoc. prof. Dr. Zəfər Cəfərov - head of department Information technology and programming of AzTU 2. Ali Khalilov - head of department IT of AzTU
7	Risk and crisis engineering of Transport systems	1. Assoc. prof. Dr. Razim Bayramov - head of the department of Transport logistics and traffic safety of AzTU 2. Nijat Zohrabov – lecturer at the department Exploitation of railway transport of AzTU
8	New challenges for crisis and risk management in logistics systems	1. Prof. Dr. Nizami Yusubov – Head of the department of Machine building technology 2. Lala Piriyeva - Head of department Quality assurance at the Office of Academic affairs
9	Supply chain management and networks	1. Qazanfar Axundov - lecturer at the department of Exploitation of railway transport of AzTU 2. Hacıyeva Gunay – Quality assurance expert of AzTU
10	Health, Safety & Environmental Management Systems	1. Ramiz Hasanli – Assoc. prof. at the department of metallurgy and metal science of AzTU 2. Rauf Mammadov – Assoc. prof. at the department of Mechanical Engineering of BEU
11	Project management and leadership in logistics and research, through open communication and team-working	1. Arastun Mammadov - dean of the faculty Mechanical engineering and robotics of AzTU 2. Sadir Guliyev - vice-dean of the faculty of Light indusdy and Logistics of UTECA
12	Research methods and professional development	1. Marziyya Aghayeva - head of Research and development department of AzTU 2. Lala Piriyeva - Head of department Quality assurance at the Office of Academic affairs
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	1. Prof. Dr. Vaqif Qasimov - Head of department of Computer science and software engineering of AzTU 2. Aytac Rzayeva - Head of Center for Career

## 4. SOCIAL INCLUSION

### 4.1. SOCIAL INCLUSION

#### **Involvement of people with fewer opportunities from AzTU in the project**

There is no restrictions to receive education for people with disabilities in Azerbaijan. Government of Azerbaijan provides additional dedicated privileges as stimulus of education for this social group.

- Citizens of the country have a right to receive free (at state account) and paid (to be covered by individuals) education as per the valid rules. It should be noted that master courses at AzTU are mainly held in the evening hours which allow the students to work and maintain their work places. Same conditions shall be provided within the project framework.
- There is no discrimination for cultural diversity and ethnicity in the education system of Azerbaijan. Everyone has equal rights to receive education. Tuition for internally displaced people are refunded at state fund.
- 9 years education is compulsory in Azerbaijan. Students who are not willing to continue their education at high schools can choose to continue their education either at the colleges and/or vocational schools in Azerbaijan. Only after graduating colleges and/or vocational schools, students become eligible to receive higher education.
- The students with certain group of diseases are eligible to suspend their education as per valid rules with due provision of academic leave and return to universities upon recovery. For ex, students with tuberculous and mental issues can take advantage upon submission of reference from health care commissions.
- There is no applicable restrictions in education for students representing diverse cultures, race, gender, ethnicity and minorities as per the local legislation at AzTU.
- There are secondary education institutions in whole territory of Azerbaijan. There is no case which would restrict receiving education because of geographical location. All the citizens of the country are provided with necessary condition to receive education. They can receive education through competitions as per the local rules.

## 5. COMMUNICATION PROCESS, ADDITIONAL INFORMATION

**Communication process between AzTU and all project participants is provided via:**

- e-mail, WhatsApp, telephone and Skype.
- The communication is quick and efficient.
- No problems have been encountered.

## 5. COMMUNICATION PROCESS, ADDITIONAL INFORMATION

**Communication process between AzTU and all project participants is provided via:**

- e-mail, WhatsApp, telephone and Skype.
- The communication is quick and efficient.
- No problems have been encountered.



# Thank you for you attention!



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

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