

Periodic Report 18M
on implementation of the project CRENG
from 15.11.2019 till 15.05.2020
PC universities

- **Deadline of this periodic report:**
15 May 2020
- **Please, send it by email not later than the deadline to:**

jbulgakova@gmail.com

svetlana.jasic@ecm-academy.de

alexandra.ivanova@ecm-space.de

- Please, prepare a short presentation (*.pptx) based on this report in **English and Russian**, which we will post on the Website of the CRENG project (you will find the template for presentations in the separate file. You are free to change design of your presentation as you wish). **The deadline of the presentation is 15 May 2020.**

Name of the university/organization:

Azerbaijan Technological University (UTECA)

1. QUALITY OF THE PROJECT IMPLEMENTATION

1.1. PROJECT ACTIVITIES

Answer the questions in the “Answer” box on the right:

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 (WP1-WP5)</p>	<p>The university has implemented the following activities (+ short description of their deliverables) according to the work plan:</p> <ul style="list-style-type: none"> - WP1: - Organizing a work group - Preparing a list of current disciplines relevant to the project with detailed information about them - Preparing a questionnaire in order to analyze the state of the relevant to the project current disciplines - Preparing a questionnaire for young professionals/graduates to figure out what competences were especially useful - Preparing a questionnaire for employers, who are relevant to graduates of the University, to clarify the requirements of skills/competences of graduates - collecting and preparing required documents of UTECA for registration of the project in the Ministry of Justice - Writing an analytical reports on results of analysis of the current courses

		<ul style="list-style-type: none"> - Preparing a list of the current courses the university plans to upgrade - Develop the schedule for updates of the current curricula. <p>WP2:</p> <ul style="list-style-type: none"> - Preparing a list of new curricula to be adapted at the university - Studying new curricula descriptions and training materials from EU universities - Developing new modules at the PC university using new curricula descriptions and training materials from EU universities - Preparing organizational documentation for CRENG Labs and CRENG SO, among which: a layout of the rooms for the purchased equipment, - Preparing a list of equipment for CRENG Labs and CRENG SO - Preparation of criteria for the selection of teachers to participate in trainings at EU universities - Participating in training at EU universities - Preparing a schedule of trainings for teachers/mentors about new curricula and methodology (the next years) - Participating in teacher training of new curricula and methodology <p>WP3:</p> <ul style="list-style-type: none"> - Creating a quality group responsible for the quality level of each new or modernized modules in the target field - Preparing a schedule of quality group's meetings - Developing quality indicators to assess quality level of each new or modernized modules in the target field - Finding potential peer reviewers (organizations or persons) to conduct a peer review of new/modernized modules/courses/curricula <p>WP4:</p> <ul style="list-style-type: none"> - Developing a questionnaire for University students /graduates /undergraduates concerning the level of awareness about the CRENG project among them. - Planning a schedule of dissemination events at the university - Preparing presentations for dissemination events - Preparing minutes of meeting/press releases of dissemination events - Searching universities and non academic partners and organizations outside the project who can be interested in the project results - Preparation of publications for a local newspaper, magazine, or other mass media - Blogging in the Internet: posting on Facebook and other social media about the project events and activities - Preparing and publishing brochures/leaflets about the project output <p>WP5:</p> <ul style="list-style-type: none"> - Organizing coordination meeting - Preparing a schedule of coordination meetings - Preparing minutes of coordination meetings - Daily project coordination and control - Writing and approving of internal project work, dissemination and quality plans
2	Describe positive changes/benefits in your university as the result of <u>each</u> of the	<p>WP1: Activities implemented in the framework of WP1 contributed to the internalisation of the university through transfer of ESG standards to the transportation and logistics field of UTECA. The meanwhile the update</p>

	<p>implemented activities of the project</p>	<p>of the curriculum of relevant field lead to the adaptation of educational process which meets the requirements of labour market. CRENG project stimulated expansion of university-enterprise cooperation of the University.</p> <p>WP2: One of the benefits of the activities implemented in the framework of WP2 is capacity building of teachers. The teachers obtained new modules and methodologies in the proper field via knowledge gained from training at EU universities and shared their knowledge with university colleagues. The meanwhile teachers are working on the update and development of new curriculum to the university`s educational process. Besides it, CRENG MA official teaching program was prepared and approved in local level.</p> <p>WP3: WP3 activities will contribute to the quality of education in the relevant field via having compliance between the specialty syllabus, study programs and other lecture materials with the ESG standards and it will lead to the adaptation of EU standards at the proper faculty.</p> <p>WP4: The University achieved to get recognized the project and new master program at the university level. Besides it, relevant faculty students were provided with detailed information about project and CRENG MA program. The meanwhile external stakeholders were informed about the project through international conference, social media, newspaper etc. CRENG project implementation increased the awareness of Erasmus+ Ka2 among project beneficiaries (teachers, students, external externals)</p> <p>WP5: WP5 activities ensured University`s academic and administrative staff to increase their experience on working with grant projects. The meanwhile these activities lead to the strengthening the recognition by university authority about importance of such kind of European projects for the university development. An achievement of approval of projects agreements by governmental body enabled us to gain experience on handling this process.</p>
3	<p>Describe any problems/difficulties encountered while implementing the activities and the measures taken to solve them</p>	<p>Problems/difficulties encountered while implementing the activities</p> <ul style="list-style-type: none"> - complicated process of approval of projects agreements by governmental bodies - lack of experience in approval of international projects and managing time <p>To solve this problems the University got advice from Erasmus NEO, maintained regular coordination with project coordinator and benefited their support. Also, the University solved this problem together with other local partner.</p>

Add more rows if necessary

1.2.DEVELOPMENT OF CRENG MA PROGRAM AND CRENG COURSES

Table 1.2.1. MA Program development	
Name of the person(s) responsible for development + email	<p>Vugar Ismayilov - Vice-rector for Academic Affairs v.ismayilov@uteca.edu.az</p> <p>Sadig Afandiyev - head of the Office of Graduate studies s.efendiyev@uteca.edu.az</p> <p>Shakir Aliyev - Head of the Department of Mechanical Engineering and Logistics sh.aliyev@uteca.edu.az</p>
Percentage of CRENG MA program development, %	90%
Describe the process of accreditation of MA program CRENG in your university/ country	After curriculum development of MA program the materials will be transferred to the Quality Assurance Center of UTECA. QAC will evaluate program together with experts of the relevant fields. After their confirmation the program will be approved by the Scientific Council of UTECA.
Explain to what extent the accreditation process of MA program and courses will be done in accordance with the ESG 2015 (Standards and Guidelines for Quality Assurance in the European Higher Education Area)	Azerbaijan has adopted ESG 2015 and the accreditation of MA program will be carried out within the framework of this guidelines.
Estimated date of accreditation on institutional level (if already accredited, please indicate "Done")	May 2021(New CRENG MASTER) August 2020 (pilot teaching of MA program)
Estimated date of accreditation on national level (if already accredited, please indicate "Done")	May 2021 The approval and accreditation of new MA program on national level will be implemented by Cabinet of Ministries of Azerbaijan.
Estimated date of students' enrolment on new MA program	Estimated date of students' enrollment on pilot teaching is August 2020. Estimated date of students' enrollment on New Master Program is August 2021. UTECA will implement pilot teaching of CRENG MA programs in 2020-2021 academic year.
<p>Execution of decisions of Skype conferences, conducted on January 2020, on discussion of the report, provided by project officer after preventive monitoring in PCs.</p> <p>Please clarify the results of agreement with the Ministry of education of new CRENG MA program opening (e.g. date of sending the request to the Ministry, date of receiving of respond, short summary of the respond, action plan with deadlines). <i>Please attach scans of letters of request and respond to the report</i></p>	Every partner university in Azerbaijan sent request letters to the Ministry of Education of Azerbaijan Republic about new CRENG MA program opening on February 24. According to the regulations the process is carried out jointly by Ministry of Education and Cabinet of Ministries. As a partner of the project MoE deals with this process.

Please send draft of MA Program CRENG in national language

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)	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	<i>Nofal Hajiyev</i> n.haciyev@uteca.edu.az <i>Ababil Nagiyeva</i> a.nagiyeva@uteca.edu.az	yes	70	80	N/A	20	70		N/A
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	4	<i>Nijat Aghayev</i> n.aghayev@uteca.edu.az <i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az	yes	60	50	N/A	N/A	50	N/A	N/A
3	Simulation of complex transport processes and systems that operate in conditions of risks	6	<i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az	yes	50	50	N/A	50	50		N/A
4	Human Factors in Design & Operations	6	<i>Farida Verdiyeva</i> vfaridayf@mail.ru <i>Immi Aliyeva</i> i.aliyeva@uteca.edu.az	yes	90	90	N/A	N/A	90	N/A	N/A
5	Humanitarian logistics and transport services in disasters conditions	6	<i>Farida Verdiyeva</i> vfaridayf@mail.ru <i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az	yes	80	60	N/A	N/A	60	N/A	N/A
6	Informational-Analytic and Diagnostics for Sociotechnical System		<i>Nofal Hajiyev</i> n.haciyev@uteca.edu.az <i>Ababil Nagiyeva</i> a.nagiyeva@uteca.edu.az	yes	70	50	N/A	N/A	50		N/A
7	Risk and crisis engineering of Transport systems	6	<i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az	yes	70	70	30	N/A	70		70

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)	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)
8	New challenges for crisis and risk management in logistics systems	4	<i>Nijat Aghayev</i> n.aghayev@uteca.edu.az <i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az <i>Sadir Guliyev</i> sedir.g@mail.ru	yes	60	40	N/A	N/A	40	N/A	N/A
9	Supply chain management and networks	8	<i>Nijat Gazanfarli</i> n.qezenferli@uteca.edu.az <i>Sadir Guliyev</i> sedir.g@mail.ru	yes	90	70	N/A	N/A	70	N/A	70
10	Health, Safety & Environmental Management Systems	4	<i>Farida Verdiyeva</i> vfridayf@mail.ru <i>Immi Aliyeva</i> i.aliyeva@uteca.edu.az	yes	90	90	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	<i>Nijat Aghayev</i> n.aghayev@uteca.edu.az <i>Leyla Rzayeva</i> l.rzayeva@uteca.edu.az	yes	90	80	50	N/A	80	N/A	N/A
12	Research methods and professional development	4	<i>Nijat Aghayev</i> n.aghayev@uteca.edu.az	yes	90	65	N/A	N/A	65	N/A	65
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	4	<i>Nijat Aghayev</i> n.aghayev@uteca.edu.az	yes	90	60	N/A	N/A	60	N/A	60

According to the working plan, all target universities should develop digital versions-drafts (.doc files) of their OWN manuals/text books/methodological recommendations for students and teachers for each of the updated/new curricula/course/module.

The digital versions-drafts of the manuals/text books/methodological recommendations for students and teachers will be published on the project web pages.

*Please, fill in the information about **each** of the teaching materials planned to be developed:*

1.2.3 TEACHING MATERIALS				
№	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

Add more rows if necessary

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 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	73

1.4. CRENG INTERNATIONAL TEXT-BOOK

1.4. CRENG INTERNATIONAL TEXT-BOOK		
Nº	Question	Answer
1	Title of Chapter developed, by your university	1
2	Name of the person(s) responsible for redacting (name, position, e-mail)	<i>Nofal Hajiye</i> Lecturer n.haciyev@uteca.edu.az
3	Team of authors (name, position)	<i>Nofal Hajiye</i> Lecturer
4	Draft of Chapter content/ plan	1. Cyber security 2. New technologies in business 3. Network security 4. Big data and data warehousing
5	Date of the first draft of the Chapter completion	September 30 2020

1.5 PROJECT BASED LEARNING (PBL)

(presentation on PBL is available on the project website-teaching materials-training in WUT)

1.4. CRENG INTERNATIONAL TEXT-BOOK		
№	Question	Answer
1	Name of the person(s) responsible for PBL methodology dissemination in your university (name, position, e-mail)	Orkhan Vatankhah o.vetenxah@uteca.edu.az
2	Title of CRENG courses, where PBL methodology will be implemented/ Name of courses developers	Risk and crisis engineering of Transport systems/ Nijat Gazanfarli Project management and leadership in logistics and research, through open communication and team-working/ Nijat Aghayev
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 May 29
5	Which partner (other than your partner country) are you going to cooperate on joint international PBL project development	

2. IMPACT AND SUSTAINABILITY

Table 2.1. DISSEMINATION EVENTS-1		
№	Question	Answer
1	How many dissemination events were conducted?	8
2	How much and which new dissemination materials were produced (leaflets, brochures, flyers etc)?	<ul style="list-style-type: none"> ➔ Send us prepared/published E-layouts or drafts of brochures and leaflets; 1000 ➔ Inform us about the dates of approximate printing, publishing and distribution of brochures and leaflets. 1st of March 2020
3	Report on the dissemination of the information about the project in mass media	<ul style="list-style-type: none"> ➔ Send us links or scans/files of publications about the project in mass media: magazines, newspapers, TV, the Internet, etc., with the date of their publications. <p>Presentation of the project for teachers at the Faculty of Light Industry and Logistics (10.04.2019) https://uteca.edu.az/event.php?event=5</p>

		<p>Presentation about project activities in the international conference of UTECA (26.04.2019) https://uteca.edu.az/event.php?event=7</p> <p>Link to your university website, where you posted information about the participation in the project https://uteca.edu.az/module_4.php?id=17</p> <p>UTECA staff participated in the training in Berlin, Germany within the project (04.10.2019) https://uteca.edu.az/event.php?lng=1&event=12</p> <p>Info session for UTECA students about the CRENG project (07.10.2019) https://uteca.edu.az/event.php?event=13</p> <p>Info session for UTECA teachers about the CRENG project (10.10.2019) https://uteca.edu.az/post.php?lng=1&post=54</p> <p>Workshop was conducted for the transfer of knowledge gained during the training in Berlin (11.10.2019) https://uteca.edu.az/post.php?post=55</p> <p>UTECA top management were informed about CRENG project (27.11.2019) https://uteca.edu.az/event.php?event=17</p> <p>Workshop was conducted for the transfer of knowledge gained during the training at WUT (29.12.2019) https://uteca.edu.az/post.php?post=97</p> <p>UTECA staff participated in the training in France within the project (05.02.2020) https://uteca.edu.az/post.php?post=105</p> <p>Workshop was conducted for the transfer of knowledge gained during the training in France (17.02.2020) https://www.facebook.com/story.php?story_fbid=3040776302601107&id=626159214062840 → If they are not published yet, inform us when you are planning to publish them.</p>
4	Planned dissemination activities	<p>Please, send us the plan of future dissemination activities until November 2020</p> <ul style="list-style-type: none"> - Dissemination meeting of the project for external stakeholders - Conducting a presentation about project activities in the international conference of UTECA - Publishing abstracts of papers and articles on the topic of the project for disseminating knowledge gained though CRENG trainings in the international conference proceeding

5	Report on signing of CRENG+ Agreement with academic and non-academic partners inside and outside the consortium	We planned to visit non-academic partners and organizations outside the project in March and April. Our university assigned responsible person for it. Unfortunately, because of the current situation in the world we could not implement these activities.
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Describe each of the dissemination events:

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	10.04.2019	Presentation of the project for teachers at the Faculty of Light Industry and Logistics	teachers at the Faculty of Light Industry and Logistics	21	YES
2	26.04.2019	Presentation about project activities in the international conference of UTECA	All interested parties	176	YES
3	07.10.2019	Info session for UTECA students about the CRENG project	UTECA students	96	YES
4	10.10.2019	Info session for UTECA teachers about the CRENG project	UTECA teachers	48	YES
5	11.10.2019	Workshop for the transfer of knowledge gained during the training in Berlin	All interested UTECA staff	35	YES
6	27.11.2019	UTECA top management were informed about CRENG project	UTECA top management	45	YES
7	29.12.2019	Workshop was conducted for the transfer of knowledge	All interested UTECA staff	21	YES

		gained during the training at WUT			
8	17.02.2020	Workshop was conducted for the transfer of knowledge gained during the training in France	All interested UTECA staff	17	YES

Add more rows if necessary

Table 2.3. INDUSTRIAL PARTNERS		
N ^o	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	List of non-academic partners and organizations: We planned to visit non-academic partners and organizations outside the project in March and April. Our university assigned responsible person for it. Unfortunately, because of the current situation in the world we could not implement these activities.
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"> ➔ Inform us about the planned date of the next event. If the event has already taken place, send us its press release; The event is planned for October 15. ➔ Send scans of bilateral agreements between university and farmers/research centers/ other non-academic partners; We will send agreements after conclusion of CRENG+ agreements.

3. QUALITY ASSURANCE

Table 3.1. QUALITY ASSURANCE – MA Program CRENG		
N ^o	Question	Answer
1	Please, provide a list of the Quality indicators with the help of which quality of your MA Program will be assessed. <i>(Please, attach templates of questionnaire of MA Program CRENG assessment for each group of reviewers: employers, students, teachers etc.)</i>	List of quality indicators: 1. Having compliance between the specialty syllabus, study programs and other lecture materials with the University Quality Policy, National Education Standards, National Education Laws and Regulations, National Qualification Framework. (ESG, Internal Quality Assurance, 1st standard)

		<p>2. Number of External Stakeholders, Interested Parties from Labor Market involved for designing syllabus and other teaching materials. (ESG, Internal Quality Assurance, 2nd standard)</p> <p>3. The quality of learning outcomes(whether they meet the labor market demand) and assessment methods and criteria of LOs on syllabus. (ESG, Internal Quality Assurance, 2nd standard)</p> <p>4. Number of Alumni and Students involved for designing syllabus and other teaching materials. (ESG, Internal Quality Assurance, 2nd standard)</p> <p>5. Student admission, progression, recognition, and certification process of the relevant specialty. (ESG, Internal Quality Assurance, 4th standard)</p> <p>6. Availability of student support system and learning resources of the relevant specialty. (ESG, Internal Quality Assurance, 6th standard)</p> <p>7. Availability of syllabus, specialty guidance and other teaching materials on the website of the university. (ESG, Internal Quality Assurance, 7th standard)</p> <p>8. Having cyclic external quality assurance process of syllabus, study programs, lecture materials. (ESG, Internal Quality Assurance, 10th standard)</p> <p>9. Taking United Nations Sustainable Development Goals (SDGs) into account</p>
2	<p>Please, provide a list of possible peer reviewers of the MA program CRENG. <i>(Employers, students, academic staff should be involved)</i></p>	<p>List of possible peer reviewers (name and position):</p> <ol style="list-style-type: none"> 1. Mirzaliyev Vagif, head of the Department of Transportation and Technical service engineering of Azerbaijan State Agricultural University 2. Fuad Dashdamirov, associated professor at the department of Automative engineering of AzTU 3. Bakhtiyar Namazov, Associated professor at the department of mechanical Engineering of BEU 4. Sadir Guliyev, Vice-dean of the faculty of Light industry and Logistics of UTECA 5. Nazim Verdiyev – head of the department in Ganja Airport
3	<p>Please, provide the work plan of the Quality group until November 2020</p>	

Table 3.2. QUALITY ASSURANCE – Courses -1

No	Question	Answer
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1	<p>Please, provide a list of the Quality indicators with the help of which quality of your courses will be assessed. (Please, attach templates of questionnaire of CRENG courses assessment for each group or reviewers: students, teachers etc.)</p>	<p>List of quality indicators:</p> <ol style="list-style-type: none"> 1. Having compliance between the specialty syllabus, study programs and other lecture materials with the University Quality Policy, National Education Standards, National Education Laws and Regulations, National Qualification Framework. (ESG, Internal Quality Assurance, 1st standard) 2. Number of External Stakeholders, Interested Parties from Labor Market involved for designing syllabus and other teaching materials. (ESG, Internal Quality Assurance, 2nd standard) 3. The quality of learning outcomes(whether they meet the labor market demand) and assessment methods and criteria of LOs on syllabus. (ESG, Internal Quality Assurance, 2nd standard) 4. Number of Alumni and Students involved for designing syllabus and other teaching materials. (ESG, Internal Quality Assurance, 2nd standard) 5. Student admission, progression, recognition, and certification process of the relevant specialty. (ESG, Internal Quality Assurance, 4th standard) 6. Availability of student support system and learning resources of the relevant specialty. (ESG, Internal Quality Assurance, 6th standard) 7. Availability of syllabus, specialty guidance and other teaching materials on the website of the university. (ESG, Internal Quality Assurance, 7th standard) 8. Having cyclic external quality assurance process of syllabus, study programs, lecture materials. (ESG, Internal Quality Assurance, 10th standard) 9. Taking United Nations Sustainable Development Goals (SDGs) into account
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Table 3.3. QUALITY ASSURANCE – Courses -2

Course №	Course title	Peer reviews (Name, position)
1	New technologies and big data for innovations in crisis and risk management + IT Security	<ol style="list-style-type: none"> 1. Prof.Dr. Sakit Verdiyev, Head of Department of Computer Engineering of UTECA 2. Asiman Ilyasov External quality assurance expert (Education Quality Assurance Agency)
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	<ol style="list-style-type: none"> 1. Sadig Afandiyev, lecturer at the Department of Management of UTECA 2. Asiman Ilyasov, External quality assurance expert (Education Quality Assurance Agency)

3	Simulation of complex transport processes and systems that operate in conditions of risks	1.Konul Hasanova, lecturer at the Department of Mechanical Engineering and Logistics of UTECA 2.Zhala Hamzayeva - Specialist on quality assurance at the Office of Academic affairs
4	Human Factors in Design & Operations	1.Namig Davudov, associate professor at the department of Chemistry and metallurgy of UTECA 2.Ramiz Khalilov, HEAD OF THE Department of Life safety of Azerbaijan State Agricultural University
5	Humanitarian logistics and transport services in disasters conditions	1.Nazim Verdiyev, Head of the department 2.Zhala Hamzayeva - Specialist on quality assurance at the Office of Academic affairs
6	Informational-Analytic and Diagnostics for Sociotechnical System	1. Imdat Guliyev, Director of IT office of UTECA 2. Elgun Hasanov, head of hardware development and production department of SUMAKS IT company
7	Risk and crisis engineering of Transport systems	1. Mirzaliyev Vagif, head of the Department of Transportation and Technical service engineering of Azerbaijan State Agricultural University 2.Shakir Aliyev, Head of the Department of Mechanical Engineering and Logistics of UTECA
8	New challenges for crisis and risk management in logistics systems	1.Nazim Verdiyev, dean of the faculty of Light Industry and Logistics 2. Asiman Ilyasov, External quality assurance expert (Education Quality Assurance Agency)
9	Supply chain management and networks	1.Taleh Valiyev, lecturer at the Department of Transportation and Technical service engineering of Azerbaijan State Agricultural University 2. Asiman Ilyasov External quality assurance expert (Education Quality Assurance Agency)
10	Health, Safety & Environmental Management Systems	1.Namig Davudov, associate professor at the department of Chemistry and metallurgy of UTECA 2.Ramiz Khalilov, HEAD OF THE Department of Life safety of Azerbaijan State Agricultural University
11	Project management and leadership in logistics and research, through open communication and team-working	1. Nushaba Hajiyeva, dean of the faculty of Economics and Administration 2. Khalida Aghayeva, head of the department of Management
12	Research methods and professional development	1.Galiba Mammadova, head of Research department of UTECA 2.Asiman Ilyasov External quality assurance expert (Education Quality Assurance Agency)
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	1.Zaur Aliyev, Head of Center for Human Capital Management 2.Aybaniz Allahverdiyeva, lecturer at the Department of Public Administration

4. SOCIAL INCLUSION

Table 4.1. SOCIAL INCLUSION		
№	Question	Answer
1	Please, report on the Involvement of people with fewer opportunities (examples	➔ Our University does its best to involve people with fewer opportunities in the project from our university.

	are provided below) from your universities in the project	<ul style="list-style-type: none"> ➔ Currently university involved 13 students with special needs in the project. ➔ The number of students with economic obstacles involved in the project are 52. ➔ Besides it, university involved 56 students from remote or rural areas in the CRENG project.
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5. COMMUNICATION PROCESS, ADDITIONAL INFORMATION

Table 6.1. COMMUNICATION PROCESS, ADDITIONAL INFORMATION		
№	Question	Answer
1	Please, report on the communication process between your University and other PC Universities, EU partners, the Coordinator, and other project participants	<ul style="list-style-type: none"> ➔ Inform us which means of communication you use to communicate with other PC Universities, EU partners, the Coordinator and other project participants: In case of Coordinator and other EU universities we use email, Skype, WhatsApp. But in case of partners from Azerbaijan besides email, call and whatsapp, we organize monthly basis meetings with local project coordinator, institutional project coordinators, academic staffs and other project members to discuss implementation of project and share information among us for having up-to-date information regarding project progress. ➔ Do you communicate via Skype, email, telephone, etc.? What are the advantages/disadvantages of the means of communication that you use? Yes, we communicate. The advantage of these type of communication is its accessibility and agility. ➔ Are there problems with the communication process? If yes, inform us about them in detail. We do not have problems in communication with other PC universities, EU partners and the Coordinator.
2	Additional information	If you have any other additional important information, complaints, suggestions, problems with the project implementation process (or other project related processes) that you want to discuss/report, please, inform us about it.

Coordinator:

O.M. Vatankhah

Manager:

U.D. Mammadova