Periodic Report 24 M
on implementation of the project CRENG
from 16.05.2020 till 15.11.2020
<u>PC universities</u>

- **Deadline of this periodic report:**

  15 December 2020

- **Please, send it by email not later than the deadline to:**

jlbulgakova@gmail.com

svetlana.jasic@ecm-academy.de

arnold.st@ecm-academy.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 (please use the template of previous periodic reports presentations. You are free to change design of your presentation as you wish). **<u>The deadline of the presentation is 15 December 2020</u>**

Name of the university/organization:

_____ **Institute of Telecommunications and informatics of Turkmenistan**_____

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	Please, name activities and short description of their deliverables your university implemented so far according to the project work plan *(presentation of the work plan for the nearest period is available by link: https://creng.eu/index.php/meetings/38-coordination-meeting-ua-az-tm-and-pmb-31-08-2021)* Please, describe activities and their results specifically for each of the Work Packages (WP1-WP5)	**The university has implemented the following activities (+ short description of their deliverables) according to the work plan:** **WP1:** - **…..** 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 **WP2:** 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 - Purchasing new tutorials, handbooks, syllabi - Uploading teaching material to electronic educational platform of

		the university - 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 - Participating in training at EU universities - Preparing a schedule of trainings for teachers/mentors about new curricula and methodology - **WP3:** Finding potential peer reviewers (organizations or persons) to conduct a peer review of new/modernized modules/courses/curricula **WP4:** - 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 - Signing an CRENG plus agreement with 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 - Developing working schedule of CRENG office - Purchasing equipment for CRENG office **WP5:** - Organizing coordination meeting: Preparing a schedule of coordination meetings Preparing minutes of coordination meetings - Daily project coordination and control
2	Describe positive changes/benefits in your university as the result of <u>each</u> of the implemented activities of the project	We have used teaching materials for our classes and for improving existing curriculum for example –Management, Functional logistics, Management of projects and risks in logistic systems, International transit transport corridors, International logistics and etc. We have used presentations from EU trainings for our scientific research works, for our lectures. We hold lectures for student`s scientific center and Young scientists council
3	Describe any problems/difficulties encountered while implementing the activities and the measures taken to solve them	Nowadays as everywhere pandemic situation, in this connection impossible organized some dissemination events, only meeting with small group of students or teaçhers.

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	Valiyeva Sapargul
Percentage of CRENG MA program development, %	85, in accordance with pandemic situation we have 2 sessions lessons every day, it is some difficalties for teachers
Describe the process of accreditation of MA program CRENG in your university/ country	Development of CRENG MA program in our university – we have got approval from our rector for opening MA by faculty of professional qualifications development and Ministry of Education support this proposal.
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)	Done
Estimated date of accreditation on institutional level (if already accredited, please indicate "Done")	Done
Estimated date of accreditation on national level (if already accredited, please indicate "Done")	May of 2021y.
Estimated date of students' enrolment on new MA program	I sent scans of transactions of meetings of department "Management and innovation technologies" with solutions about opening of MA.
Describe any problems/difficulties encountered while implementing the activities and the measures taken to solve them	Also I sent draft of TITI MA Program CRENG in national language.

Please send draft of MA Program CRENG in national language (if you still haven't)

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	6	Poppyeva O.	no	75	60	-	60	65	-	25
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	5	Poppyeva O	2	70	60		60	65		25
3	Simulation of complex transport processes and systems that operate in conditions of risks		Charyyev A.	5	75	60	-	60	65	-	25
4	Human Factors in Design & Operations		Gochmyradova M.		75	60	-	60	65	-	25
5	Humanitarian logistics and transport services in disasters conditions		Valiyeva S.	3	75	60	-	60	65	-	25
6	Informational-Analytic and Diagnostics for Sociotechnical System		Bashimova S.	4	75	60	-	60	65	-	25
7	Risk and crisis engineering of Transport systems		Bashimova S.	4	75	60	-	60	65	-	25
8	New challenges for crisis and risk management in logistics systems		Bashimova S.	4	75	60	-	65	65	-	25
9	Supply chain management and networks		Valiyeva S.	5	75	60	-	65	65	-	25
10	Health, Safety & Environmental Management Systems		Gochmyradova M.	3	75	60	-	55	65	-	25
11	Project management and leadership in logistics and research, through open communication and team-working		Valiyeva S.	3	75	60	-	60	65	-	25
12	Research methods and professional development		Poppyeva O	2	75	60	-	60	65	-	25
13	Carrier Managing, Soft skills for engineers, basics of technical creativity		Charyyev A.	5	75	60	-	60	65	-	25

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 and ERASMUS + platform.

*Please, fill in the information about **each** of the teaching materials that are fully completed and ready to be downloaded to the project web page and Erasmus+ platform:*

1.2.3 TEACHING MATERIALS				
№	Title of the materials	Type (manuals/text books/methodological recommendations)	Short description	Contact information on authors
1	Humanitarian logistics and transport services in disasters conditions	Chapter of text book	We will used this content for modernized courses	30/01/2021
2	Risk and crisis engineering of Transport systems	Chapter of text book	We will used this content for modernized courses	30/06/2021
3	New challenges for crisis and risk management in logistics systems	manuals	We will used this content for modernized courses	30/06/2021
4	Supply chain management and networks	manuals	We will used this content for modernized courses	30/06/2021
5	Project management and leadership in logistics and research, through open communication and team-working	methodological recommendations	We will used this content for modernized courses	30/06/2021
6	Carrier Managing, Soft skills for engineers, basics of technical creativity	Chapter of text book	We will used this content for modernized courses	30/06/2021

Add more rows if necessary

1.3. TEACHING/TRAINING ACTIVITIES

1.3. TEACHING/TRAINING ACTIVITIES		
№	Question	Answer
1	Report on the total number of academic staff that was trained during the during project trainings in EU	4
2	Report on the total number of academic/administrative staff that was retrained at home university by participant of EU trainings	17

1.4. CRENG INTERNATIONAL TEXT-BOOK

1.4. CRENG INTERNATIONAL TEXT-BOOK

№	Question	Answer
1	Title of Chapter developed, by your university	Humanitarian logistics and transport services in disasters conditions
2	Name of the person(s) responsible for redacting (name, position, e-mail)	Valiyeva Sapagul
3	Team of authors (name, position)	Valiyeva Sapagul Gochmyradova Maral
4	Draft of Chapter content/ plan • 1The role of humanitarian logistics in disaster relief efforts • 2The process of humanitarian logistics 3 Introduction to global logistics and transport problems - Logistic network design and location problem - Distance-Short path selection - Distribution resources planning - Vehicle routing problem • Humanitarian Logistics Process • Transportation Aid Process Flow • Warehousing • Containerized Cargo • Freight Forwarder • Freight Consolidation • Minimum evacuation time. • Facility location optimization model for emergency humanitarian logistics	
5	Date of the first draft of the Chapter completion	**30/03/2021**

1.5 PROJECT BASED LEARNING (PBL)

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

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)	Bashimova S. -teacher
2	Title of CRENG courses, where PBL methodology will be implemented/ Name of courses developers	1. Logistics and Supply chain management. Valiyeva S. 2. Management of projects and risks at logistic systems - Bashimova S. 3. Management of transport system Kemalova D. 4. Management- Yazberdyveva Y.
3	Drafts topics of future PBL projects, that will be developed	- "Logistiki taslamany dolandyrmak" -Management of logistic projects
4	Please, report on dissemination seminar on PBL, conducted in your institution (date,	Department of Management and innovation technologies ,

№	Question	Answer
	name of lecture, plan, number of participants, photos)	
5	Which partner (other than your partner country) are you going to cooperate on joint international PBL project development 1. 12/02/2020 Seminar on PBL for professors and teachers of Department of Management and innovation technologies and department of Economy. 2. 4/03/2020 Training for student`s research team. 3. 9/03/2020 Training for Council of young scientists.	Turkmen airlines agency -Turkmen railway agency - Turkmen maritime and river transport agency - Turkmen auto motor transport agency - TULM - Transport Logistic centre of Turkmenistan
6	Date of the IPBL Guidelines development in your university *(if it has already been developed, please attach it to the report)*	1/06/2021

1.6 SKILLS WALLET (SW)

1.6 PROJECT BASED LEARNING (SW)		
№	Question	Answer
1	Name of the person(s) responsible for implementation SW in your university (name, position, e-mail)	Valiyeva Sapagul Gochmyradova Maral Bashimova Sadap
2	Title of CRENG courses, where project based learning (SW) will be implemented/ Name of courses developers	Carrier Managing, Soft skills for engineers, basics of technical creativity.
3	Did your university use all SW templates developed by SUIT? If not, which changes did you made and why?	In framework of Management for 3-4 year students
4	How did you evaluate the awareness of students and teachers on SW in your university? Please provide templates of questionnaire if any	We evaluate the awareness of students and teachers on SW with testing and presentation
5	Did you conduct any additional webinars on SW implementation at your university for students/ teachers (indicate the date, number of participants, photo)	We have lectures for students and group of young scientists
6	How many students did you attract to participate in SW?	40-50
7	How many companies did you attract to SW? Please provide list of companies and responsible persons	2-3 Turkmenbaha private company, TULM – Turkmen transport logistic centre, Auto motor transport company
8	How are you going to evaluate the effectiveness of SW implementation in the at your university? Please provide templates of questionnaire	We will send additional docs
9	How are you going to promote SW in your university? Please provide the list of activities	Every month

2. IMPACT AND SUSTAINABILITY

№	Table 2.1. DISSEMINATION EVENTS-1	
	Question	**Answer**
1	How many dissemination events were conducted?	7, 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)?	Only testing materials and presentaion
3	Report on the dissemination of the information about the project in mass media	Bashimova Sadap, Kerimberdyyev Resul –4-th year student , article "Development of transport logistics in Turkmenistan" "Finance and economy " magazine № 6 2020y.
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	

Second year Dissemination plan of ITIT

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 mounth
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 mounth
6	Organization of trainings and seminars for students and teachers of the institute; Organization video-conference for partner universities and non-consortium organizations, stakeholders/	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. Charyyev Arslan published 1 article in "Mugallymlar gazeti' and correspondent of " Neytralnyy Turkmenistan" Viktoriya Novikova published 1 article about training in France, Charyyev Arslan presented Creng project on TV "Yashlyk" (Youth TV progamme) We will to publish articles on "Возрожление" magazine on Russian lang and other press.	Project duration + min. 1 year after

Describe each of the dissemination events:

Table 2.2. DISSEMINATION EVENTS-2					
№	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	15-17/06/2020	Innovation competition of students ITIT	Young teachers and students of ITIT.	50	Newspaper "Great silky way of Turkmenistan " 20/06/2020
2	24/06/2020	Video-conference with Russian uniwersities	Professors, vice-rectors of Turkmen and Russian universities , consul of Turkmenistan in Astrakhan province of Russia	30	Newspaper "Neytralnyy Turkmenistan" 26/06/2020 y.
3	29/06/2020 24/08/2020 28/09/2020 23/11/2020	Seminar for PBL	Teachers and students department of Management and innovation technologies	15- 17	no
4	28/10/2020	Video-conference with Milan Technology university (Italy)	Professors, vice-rector of ITIT and professors of Milan Technology university	7	no
5	25-26/11/2020	VI Международная научно-практическая	"The AML/CFT System as a safeguard against Global and National Security	50-70	no

		конференция Международного сетевого института Росфинмониторинг	Threats: synthesis of Law, Economy and IT" on line conferense		
	19-20/11/2020	**Regional Cluster Meeting Capacity Building in Higher Education Project impact in Central Asia**	*On-line event coordinated by NEO Uzbekistan and National Erasmus+ office of Turkmenistan Ayna Chorekliyeva*	**45**	Report of NEO Turkmenistan

Add more rows if necessary

Table 2.3. INDUSTRIAL PARTNERS		
№	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: In Previous Reports Turkmen airlines agency -Turkmen railway agency - Turkmen maritime and river transport agency - Turkmen auto motor transport agency
2	Please, provide information regarding the planned dissemination events for the interested in the project stakeholders, non-academic partners and organizations outside the project.	➔ Inform us about the planned date of the next event. If the event has already taken place, send us its press release; ➔ Send scans of bilateral agreements between university and farmers/research centers/ other non-academic partners;

Table 2.4. CRENG Service Office		
№	Question	Answer
1	Name of the person(s) responsible for CRENG SO operation in your university	We sent by email
2	Provide scan of CRENG SO regulations approved at institutional level (if you still didn't)	I sent by email
3	Provide scan of CRENG SO business plan/ work plan approved at institutional level	I sent by email
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)	
5	Provide link to the CRENG SO web page at the university website / FB page or any other digital source of CRENG SO	

3. QUALITY ASSURANCE

Table 3.1. QUALITY ASSURANCE – MA Program CRENG		
№	Question	Answer
1	Please, provide a list of the Quality indicators with the help of which quality of your MA Program will be assessed. *(Please, attach templates of questionnaire of MA Program CRENG assessment for each group of reviewers: employers, students, teachers etc.)*	We added below
2	Please, send us the information regarding the provided peer reviews: the amount, analysis, topics	See below
3	Please, provide a list of possible peer reviewers of the MA program CRENG after pilot studying	See below
4	Please, provide a list of possible participants of the questionnaires of the MA program CRENG after pilot studying. *(Employers, students, academic staff should be involved)*	Our students , young teachers and participants of faculty of professional development
5	Please, provide the work plan of the Quality group from November 15, 2020 till November 15, 2021	See below
6	Please provide title of courses sent by your university for internal EU reviewer	

Table 3.3. QUALITY ASSURANCE – Courses -2		
Course №	Course title	Peer rewires (Name, position)
1	New technologies and big data for innovations in crisis and risk	2. Kerimberdyyev Resul, student, TITI

	management + IT Security	….
2	Risk and crisis forecast, Analysis and Reduction Methods and Tools	Automotor transport enterprises, Berdimuradov Berdimyrat
3	Simulation of complex transport processes and systems that operate in conditions of risks	Turkmen airlines company, Dovletova Tamara
4	Human Factors in Design & Operations	Turkmenpochta PCC (postal communication company) Kushikova Dunya
5	Humanitarian logistics and transport services in disasters conditions	Automotor transport enterprises Berdimuradov Berdimyrat
6	Informational-Analytic and Diagnostics for Sociotechnical System	Nataliya Sayfulayeva, Turkmenbaha private company
7	Risk and crisis engineering of Transport systems	Turkmen airlines company Dovletova Tamara
8	New challenges for crisis and risk management in logistics systems	Automotor transport enterprises Berdimuradov Berdimyrat
9	Supply chain management and networks	Turkmenpochta PCC (postal communication company) Kushikova Dunya
10	Health, Safety & Environmental Management Systems	Turkmen airlines company Dovletova Tamara
11	Project management and leadership in logistics and research, through open communication and team-working	Automotor transport enterprises Berdimuradov Berdimyrat
12	Research methods and professional development	Nataliya Sayfulayeva, Turkmenbaha private company
13	Carrier Managing, Soft skills for engineers, basics of technical creativity	Kerimberdyyev Resul, TITI

a) **Work plan of Quality group**.

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 stuff 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**

Table 3.2. QUALITY ASSURANCE – Courses		
№	**Question**	**Answer**
1	Please, provide a list of the Quality indicators with the help of which quality of your courses will be assessed <u>after pilot teaching</u>. *(Please, attach templates of questionnaire of CRENG courses assessment for each group or revivers: students, teachers etc.)*	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; 3) Usage of the university online educational platform during the educational process; 4) Ability of students to influence the educational content or process. For instance, ability of students to choose a topic of reporting or practical works, to attend elective modules/courses; 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); Publications of teaching staff or students, participation in conferences on the module's topics

b) *questionnaire of MA Program CRENG assessment for each group of reviewers: employers*

What question and answer panel discussions will you organise? What will the theme of each one be?	• What kinds of skills and experience do you look for in the employees you hire? • What are the characteristics of your most successful employees? • Are graduate degrees important to advancing within your organization? Which ones? • Which courses or experiences do you suggest to be a successful candidate? • What kind of entry-level positions (or internships) exist within your organization? • Does your company hire on a continual basis

		or just at certain times of the year?
		• How long does the hiring process take? What does it consist of?
		• What percent of applicants are eventually hired? What is the retention rate?
		• What is your organization's culture like?
		• For how many years does the typical employee stay with the company?
		• Transport service in enterprises area?

4. SOCIAL INCLUSION

Table 4.1. SOCIAL INCLUSION		
№	Question	Answer
1	Please, report on the Involvement of people with fewer opportunities (examples are provided below) from your universities in the project	➔ To unify the understanding, the European Commission has recognized the following types of the most common obstacles: - *disability* (i.e. participants with special needs): people with mental, physical, sensory or other disabilities; - *economic obstacles*: people with a low standard of living, low income, dependence on social welfare system; people in debt or with financial problems; - *cultural differences*: immigrants or refugees or descendants from immigrant or refugee families; people belonging to a national or ethnic minority; people with linguistic adaptation and cultural inclusion difficulties; - *educational difficulties*: young people with learning difficulties; early school-leavers; low qualified adults; young people with poor school performance; - *health problems*: people with chronic health problems, severe illnesses or psychiatric conditions; - *social obstacles*: people facing discrimination because of gender, age, ethnicity, religion, sexual orientation, disability, etc.; young and/or single parents; orphans; - *geographical obstacles*: people from remote or rural areas; people living in small islands or in

		peripheral regions; people from urban problem zones; people from less serviced areas (limited public transport, poor facilities).

5.   COMMUNICATION PROCESS, ADDITIONAL INFORMATION

Table 5.1. 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	➔ Inform us which means of communication you use to communicate with other PC Universities, EU partners, the Coordinator and other project participants: ➔ Do you communicate via Skype, email, telephone, etc.? What are the advantages/disadvantages of the means of communication that you use? ➔ Are there problems with the communication process? If yes, inform us about them in detail.
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   Valiyeva Sapargul

Manager   Bashimova Sadap