



Digital transformation of HEIs education process in Ukraine and Moldova for sustainable engagement with enterprises, DIGITRANS

101127683 — DIGITRANS — ERASMUS-EDU-2023-CBHE

Project targets, deliverables, work plan

January 11-12th 2024

Dr.ing.sc. Anatolijs Zabashta,
Project coordinator
Riga Technical University

Agenda on January 11th

- Short introduction from all participants
- Welcome by RTU
- Welcome by NEO Latvia
- Presentations introduction of the partners: 10 min
- Project targets, deliverables, KPIs
- Work packages leaders:
 - Activities
 - Milestone
 - Deliverables
- Visiting of RTU laboratories
- Wrap of the day one

Partners – short introduction

- 1. Riga Technical University, RTU
- 2. Dunarea de Jos University of Galati, UDJG
- 3. NATIONAL & KAPODISTRIAN UNIVERSITY OF ATHENS, NKUA
- 4. Chernihiv National Technological University, CPNU
- 5. Kharkiv National Automobile and Highway University, KhNAHU
- 6. Lutsk National Technical University, LNTU
- 7. Subsidiary SNT Ukraine (SNT Ukraine)
- 8. Technical University of Moldova, UTM
- 9. Alecu Russo Balti State University, USARB
- 10. Cahul State University B.P. Hasdeu, USC
- 11. ICS DRA Draexlmaier Automotive SRL, Draexlmaier GM

Associated partners

- 12. Avtodom Kharkiv LLC
- 13. Elcars LLC (Autoserviss)
- 14. Avtoconcept" (Avtoconcept LLC)
- 15. Informbusiness SRL

Introduction of a partner and its teams: All partners

Project targets, deliverables, KPIs, planning of meetings and workshops. Discussion.

DIGITRANS project idea

Gap analysis Existing curricular analysis

☐ Input from the industry representatives

Development of curricular

- ☐ Courses, Didactic materials
- ☐ E-learning tools

Accreditation

- Ministry of Education
- ☐ Partner Country' universities

Feedback from external experts on QA Conclusions and improvements

Ongoing feedback

☐ Students & Teaching staff

Feedback from potential employers

Testing, feedback and internal QA

Students, Teaching staff, Student organizations

Deliverables schedule 2023-26

Project website

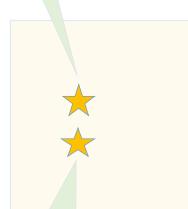
M12: Developing BCs and MCs level study programs and courses.

M18: Students' enrolment at new courses

M22: 4 electronic courses e-Books are ready M24, 26: SREE remote equipment running. DLE base platform running

M28:
Agreements
on
implementati
on of Double
Diploma are
signed.

M32: Survey, Reports on feedback from main target groups from MD and UA universities M34: training seminars for teaching staff, On-line workshop with target groups on DLE





Courses testing autumn 2025 and spring 2026



M4:

- -The content of 4 e-Books is confirmed
- -Survey of stakeholders and conclusions and recommendations on curricula, needed to the labor market

M18: A mindset of the Quality Assurance system M20:
Purchasing,
installation
and lay off
of
equipment

M20: Teaching and learning materials for study programs and courses are published M24: 9 study programs, 35 study courses are accredited by universities and Ministries

M30: Student internships is finished

M30: 6 -Virtual shared labs



Indicators from LFM matrix 1

- Number of new developed/ modernised and accredited study programs 9 programs.
- Number of new/ modernised courses 35 courses.
- Number of The European Credit Transfer and Accumulation System (ECTS) 160 credits.
- Number of UA and MD students, which have training in EU partner's premises and labs 72 students.
- Number of UA and MD teaching staff which have training in EU partner's premises and labs 54 staff.
- Number of students, who participate in Pitch competition (for a new product development) event in RTU 18 students.
- Number of teaching and technical staff of partner's HEIs, who participate in workshops on courses and programs development, e-learning platform acquisition, digital tools learning, virtual labs development training (on-line) 144 staff.
- Number of students, who undertake internship at industrial partner's plants and associated partner's plants 41 students.
- Number of students, who receive organisational and technological support for student's internship and bachelor / master degree thesis preparation from industrial stakeholders 6 students.

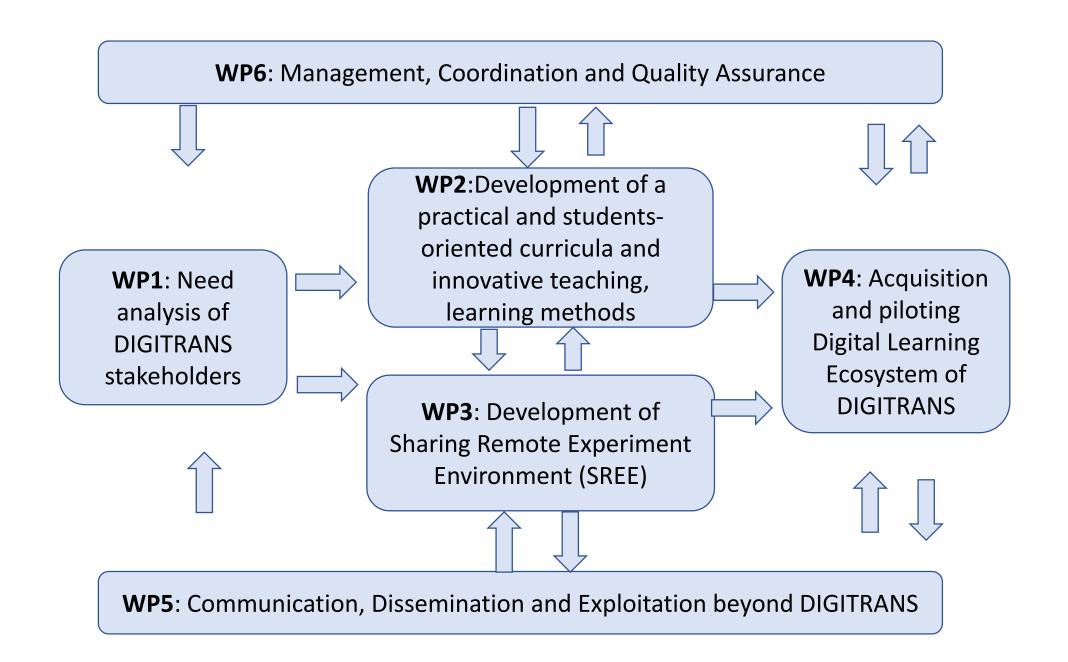
Indicators from LFM matrix 2

- New text books (e-books) for students and teaching staff elaborated in cooperation with EU, Ukrainian and Moldavian partners 4 text books.
- Number Double Diploma programs developed in cooperation between EU, Moldavian and Ukrainian HEIs 2 partnership agreements.
- Sharing Remote Experiment Environment (SREE) platform for remote laboratories 1 platform.
- Digital Learning Ecosystem (DLE) is developed 1 DLE.
- Based on Sharing and Modelling Simulating Environment platform, 6 virtual shared labs of common interest for usage by teachers and students are developed 6 labs.
- Based on new developed Sharing Remote Experiment Environment, 2 remote shared labs on physical equipment of common interest for usage by teachers and students are developed 2 labs (CPNU)
- Due to creation of the Digital Learning Ecosystem (DLE), which provides opportunity for distance and virtual labs and courses, a real convenient opportunity to involve displaced students and academic staff in education process is created.

New teaching e-books for students and teachers

- 1. «Electric drive, automotive electronics and energy-saving technologies for modern transport» **KhNAHU**
- 2. «Integrated course of Automotive transport» LNTU
- 3. "Design of Digital Control Systems« CPNU
- 4. "Digitalization in entrepreneurship" RTU

We also discussed about e-book-UDJG - "Digitalization of automotive repair and maintenance service", however, did not make any commitment



Arrangements for the project start

- Accreditation by governments of Ukraine and Moldova
- List of members of the project team of each partner
- Google drive repository. Owners Anatolijs and Darja
- Arrangement for tender for equipment
- Communication means from the very beginning:
 - Project website RTU, probably in February
 - Social media: LinkedIn, Facebook, any other...
 - Mass media: press release about Kick-off meeting by each partner

Working plan for 2024

E1.1			11-12.01.2023	The purpose of 1st WS: the partners will confirm WP1 implementation plan.					
E6.5		Kick-off meeting		-WS1 will be arranged in parallel with the Kick-off meeting.					
E1.2 All		2 nd workshop of	-To confirm the content of Five electronic courses of e-Books;	Athens, GR					
		WP1	2024	- To confirm the Ex-Ante reports from MD-UA universities					
				- To discuss the finding of a preliminary survey of stakeholders, which is arranged in a frame of WP1.					
				-To discuss the Report on recommendation, which will be used for curriculum, syllabuses, didactic materials.					
E2.1	All	Workshop on Double	On a week 17-	-Beneficiaries will discuss the results of EU-MD-UA education programs analysis	Balti, MD				
		Diploma programs	21 of June 2024	-Will discuss and accept a plan of the Double Diploma programs (DDP).					
E6.2		1st MC meeting		- MC will approve the QAMT;					
				- Consortium will discuss and approve the Project Quality Assurance plan (PQAP), and					
				PAS.					
				-It will follow up the project progress, providing corrective actions if necessary					
E4.4		School for the	September	The group of teaching staff of MD-EU universities will be retrained in the premises and	Riga, LV				
	KhNAHU,	training of teachers	2024 on the	labs of RTU on the topics of newly developed curricula. Trainees will be introduced in EU					
	LNTU,	in Riga	week 9-14th	university's education and research practices. Cultural awareness program and study visit					
	UTM,			to industrial partners will be included in the program of the school.					
	USARB,								
E4.1	USC All	1st Workshop on	On the week	- At the 1st Workshop all partners will present their experience on innovative teaching	Galati, RO				
L-7.1	/ / //	innovative teaching	21-25 of	methods & digital environments experience, and how the methods and tools will be	Galati, NO				
		methods & digital	October 2024	implemented in newly developed programs and courses.					
		environments	0000001 2024	- The teaching and learning schedule for teaching/ academic/ technical staff and students will be confirmed, therefore preparation of trainees will be started					
E6.5		2nd MC meeting		-Management Committee meeting will follow up the project progress, providing corrective actions if necessary.					

Leaders of work packages

Day 2: MC meeting

Agenda for day 2

- ERASMUS+ Program's tasks, opportunities and problem issues in Ukraine
- ERASMUS+ Program's tasks, opportunities and problem issues in Moldova
- WP6 Management, Coordination and Quality Assurance
 - Case Study of QA in RTU
 - Quality Assurance system' setup
 - Project financial aspects. Tenders for the equipment.
 - Management plan, reporting and progress monitoring.
 - Communication tools for the project team members
- WP1 Need analysis of DIGITRANS stakeholders

Case Study of QA in RTU

Quality Assurance (continuing) Prof Kunicina/

Quality Assurance and reporting

- Continuous reporting via FTOP Portal
- In a frame of QA we will create templates for reports from the beneficiaries.
- We will create the form for deliverables
- A schedule for periodic reports and deliverables

Communication tools and repositories for the project team members

1. Repository on Google Drive:

Instructions, reporting forms, deliverables, meetings, plans, e-books, courses description, proofs of accreditation, etc.

2. Webpage of DIGITRANS (for public materials)

	Home	Summary	Partners	Events	Dissemination	Reports	Contacts			
Links to: Facebook, LinkedIn, You Tube, etc.										

3. Websites of the partners:

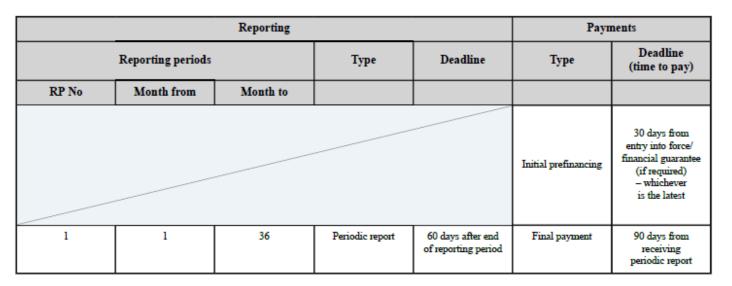
courses description, proofs of accreditation, teaching and learning materials, etc.

- 4. Sharing Remote Experiment Environment (SREE) platform for remote laboratories /hosted by CPNU/
 - Laboratories, courses, tests, etc.

May be we need to arrange WhatsApp group or something like this?

Financial issues

Reporting and payment schedule (art 21, 22):



Prefinancing payments and guarantees:

Prefinancing p	oayment	Prefinancing guarantee						
Туре	Amount	Guarantee amount	Division per participant					
Prefinancing l (initial)	503 667.50	n/a	1-RTU	n/a				
			2 - UDJG	n/a				
			3 - NKUA	n/a				
			4 - CPNU	n/a				
			5 - KhNAHU	n/a				
			6-LNTU	n/a				
			7 - SNT Ukraine	n/a				
			8 - TUM	n/a				
			9 - USARB	n/a				
			10 - USC	n/a				
			11 - DRÄXLMAIER	n/a				

Reporting and payment modalities (art 21, 22):

Can the project survive without money?

- To get a commitment from your management to plan a pre-financing plus co-financing.
- Lobbing of the project interests everywhere: to NEO, Ministry of Education
- Formal appeals to EACEA for additional pre-financing. As soon as 70% of pre-financing will be used, to report to Coordinator.
- Prioritizing of the targets and activities: equipment & software first
- Probably, the part of the meeting and trainings (first of all that were planed in Ukrainian) to be shift on line
- Try to finish WP2 and WP3 and may be WP4 before the planned schedule
- Any other ideas

Financial issues

- The external auditor is not envisaged at the end of the project, however, EACEA can ask any proofs of the eligibility of cost spent.
 - Travels
 - Salaries
 - Equipment
 - Services (e.g. for meetings)

EACEA will arrange one on-line meeting in February

Thank you for the questions!

ACTIVITY		YEAR 1		YEAR 2				YEAR 3				
	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
T1.1. The study of compatibilities of educational regulations, curricula, e-learning platforms of EU-												
UA-MD partners.												1
T1.2. EU-MD-UA programs analysis and development of a plan of the Double Diploma programs												
(DDP).												1
T1.3. Finalising of the studies to define specific needs of the labour market of Moldova and Ukraine.												
Report on studies.												
T2.1. Development of practical and students-oriented curricula and study programs and innovative												
teaching/learning methods & digital environments. Teaching materials for the bachelor and master-												1
students' courses and programs.												l
T2.2. Workshops for curricula and study programs and innovative teaching/learning methods &												
digital environments development												l
T2.3. Curricula accreditation in the universities and Accreditation offices of PCs												
T2.4. Double Diploma Programs (DDP) development and accreditation.												
T2.5. Tuning of curricula and study programs of MD-UA universities												
T3.1. Analysis of the contemporary technical solutions and development of a concept of the SREE												
T3.2. Development of the SREE software platform and SREE web interface												
T3.3. Creation of computer classes on-remote laboratory with physical equipment in framework of												
SREE platform												
T3.4. Integration of SREE with LMS Moodle and Sharing Modelling and Simulation Environment												
(SMSE) in Digital Learning Ecosystem (DLE)												
T3.5. Development of methodical documents to acquisition and piloting of SREE in framework DLE												
T4.1. Students training on new courses and study programs												
T4.2. Students practical training at industry partners												
T4.3. Teaching staff and support staff training on innovative aspects of Digital Learning Ecosystem												
T4.4. Measuring of a feedback of stakeholders an curricula and study programs in MD-UA												
universities												
T5.1. Development of information and promotional materials												
T5.2. Project Web Portal and social media												
T5.3. Information sessions for target groups												
T5.4. Strengthening the academia – industry network												
T5.5. Strengthening cooperation beyond the project to sustain the outcomes												
T6.1. Administrative and financial management, financial audit.												
T6.2. Purchasing, installation and lay off of equipment.												<u> </u>
T6.3. Creation of the Quality Assurance system.												
T6.4. Following up the project progress, providing corrective actions if necessary.												