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

**1st Management meeting (Kick-off) and 1st workshop of WP1
Riga Technical University
January 11-12, 2024**

Work Package 4: Acquisition and piloting Digital Learning Ecosystem (DLE) of DIGITRANS

Lead Partner	Co-leader
"Dunarea de Jos" University of Galati (UDJG)	Lutsk National Technical University (LNTU)

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Duration: M8 – M36

Objectives:

✓ WP4 contributes to Specific Objectives: SO2, SO3, SO4, SO5, SO6 and SO7.

✓ <u>WP4 contributes particularly to</u>:

- training of students according to the established curriculum;

- training of teaching staff and support staff to thrive in an ICT-driven learning environment and successful application of Digital Learning Ecosystem (DLE);

- measuring the feedback of stakeholders on curricula and study programs.

4 Tasks

5 Milestones

9 Deliverables

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WP No	WP Title	Main outputs
WP4	Acquisition and piloting Digital Learning Ecosystem of DIGITRANS	Students enrolment at new programs, courses; Students training on new course materials; Teaching staff training on innovative aspects of developing ecosystem, e.g. digital tools, etc.; Teaching and other staff training on Sharing Remote Experiment Environment (SREE) application in study process; Feedback acquisition from stakeholders: students, teaching staff, etc.; Feedback acquisition from employers (survey) Development recommendations on new curricula and methods, etc (report); Students short time secondment (student's practices); Seminars with employers (presentations of academic and industrial partners)

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.1	Students training on new courses and study programs	- Students are enrolled at the new study program and follow courses of new curriculum. - Students training on curricula and study programs topics in EU universities RTU, UDJG and NKUA (distance), (3 groups x 6 partners universities x 3 students, total 72 students) one-week trainings. Before the training public selection of the candidates will be arranged. The candidates will be selected based on academic results, English language knowledge and motivation. Since the beginning of the development of training programs it is planned to conduct regular video-conferences for teachers involved into the new bachelor- and master-level curricula and programs, which will be devoted to the methodology, content, technological and organizational aspects of the teaching/ learning process.	UDJG, RTU, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USAR, USC, DRÄXLMAIER	BEN, COO

Task	Task Name	Description	Participants	
			Name	**Role**
T4.1	Students training on new courses and study programs	According to Double Degree agreements students will be enrolled at the DD programs to carry out study mobility at partner's university and they will start their study in the last semester of year 3. RTU, KhNAHU, UTM start preparation to the student admission (practical arrangements, visa arrangement, etc.). The student Admission Guide will be developed by RTU to help students to navigate through enrolment process and provide useful information. The training of students will be based on the Bilateral Agreements between RTU and MD, UA universities. The Agreement will be signed between the partners by M28 in a frame of WP2. The progress of Double Diploma programs will be presented at MC meetings. Testing of newly developed programs will start in autumn semester of the year 2. Then testing will be arranged in the spring semester of the year 3. The target of the testing is to get a feedback from the target groups: the teaching staff, the students of different levels and students' organisations.	UDJG, RTU, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USAR, USC, DRÄXLMAIER	BEN, COO

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.1	Students training on new courses and study programs	The input to this activity will be provided by WP6 Quality Assurance task. In a frame of WP6, the methodize for testing will be developed, the questionnaires will be created and translated to the teaching languages of MD-UA universities. The methodology for the analysis of results will be developed in the QA task. The 2nd year testing for bachelor and two-year master level programs will be held in the next year beyond the project. MD and UA universities will elaborate the Testing reports about testing results of study courses and present them at MC meetings.	UDJG, RTU, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USAR, USC, DRÄXLMAIER	BEN, COO

Task	Task Name	Description	Participants	
			Name	**Role**
T4.2	Students practical training at industry partners	The students of MD and UA universities will carry out practical training in specific programs required by business due to internship at enterprises according to Agreements signed between universities and enterprises of internship (preparations will be done in WP2); Students short time secondment (student's practices) under supervision of staff industrial beneficiaries and associated partners of the project (total 41 students). Two groups of students will receive organisational and technological support during the internship and will prepare bachelor / master degree thesis based on topic advised by industrial stakeholders – 6 students at SNT Ukraine and Informbisines SRL, Moldova. Partners report about results of the secondment, provides suggestions for improvement of the courses.	LNTU MD-UA universities, all industrial partners	BEN, AP

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.3	Teaching staff and support staff training on innovative aspects of Digital Learning Ecosystem	Teaching staff will learn the structure of Digital Learning Ecosystem (technologies: e-learning interface, portal, e-library, learning models, communication tools; infrastructure: digital device, software, hardware, databases, services, internet, personal resources, networks; open educational resources; standard for instruction and assessment; teacher ethic). Teaching staff will develop abilities for integration of digital contents into learning management system in order to improve the quality and inclusiveness of education and training. Teaching staff and support staff will be taught how to apply the DLE in teaching and learning activities, to develop students' ICT competence, to improve the understanding, communication skills, to enhance the learning experience and cultural knowledge in relation with the needs of students/learners.	RTU UDJG, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USARB, USC, DRÄXLM AIER	COO, BENs

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Task	Task Name	Description	Participants	
			Name	Role
T4.3	Teaching staff and support staff training on innovative aspects of Digital Learning Ecosystem	Teaching /retraining schedule for academic staff of UA and MD – month/year: School for the training of teachers in Riga - M12/Year 1; School for the training of teachers in Athens – M3/Y2; School for the training of teachers in Galati – M6/Y2 Workshop on innovative teaching methods & digital environments: M10/Y1; Workshop on piloting Digital Learning Ecosystem of DIGITRANS – M8/Y3.	RTU UDJG, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USARB, USC, DRÄXLM AIER	COO, BENs

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.4	Measuring of a feedback of stakeholders on curricula and study programs in MD-UA universities	Analysis the effectiveness of the new study program (courses) and of the Digital Learning Ecosystem. For this purpose, acquisition of the feedback from faculty, students, teaching staff, support staff and employers and the assessment and interpretation of lessons learned through piloting Digital Learning Ecosystem will be performed. All target groups work together, share information, perceptions and education experiences to adjust the designed learning environment in order to fit everyone's needs. MD and UA universities together with industrial beneficiaries and associated partners will arrange collecting feedback acquisition from employers on new developed study courses. This will be done as a survey. The feedback from main target groups will be obtained during the 3rd year.	RTU, DJUG, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USARB, USC, DRÄXLM AIER Avtodom, Elcars, VOLYN-AUTO, Informbusiness	COO BEN AP COO, BEN, AP. Other beneficiaries

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.4	Measuring of a feedback of stakeholders on curricula and study programs in MD-UA universities	The input to this activity will be provided by Task Quality Assurance. In a frame of WP6 the methodize for collecting feedback from different target groups will be developed, the questionnaires for different groups of stakeholders will be created and translated to the teaching/learning languages of UA-MD universities. Different methods will be used: face-to-face interviews, surveys by e-mails/on web/phone interview, round tables for stakeholders – employers of graduates, etc. Measuring of a feedback and a degree of satisfaction from teaching staff, students, professional associations, Ministry' officers and entrepreneurs involved in teaching of students and curricular modernisation. Report from the partners on survey results with recommendations for newly developed curricula improvements will be elaborated. Using feedback from stakeholders UD and MD partners will consider necessary adjustments in the study courses. Reports will be presented at MC meeting.	RTU, DJUG, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USARB, USC, DRÄXLMAIER Avtodom, Elcars, VOLYN-AUTO, Informbusiness	COO BEN AP COO, BEN, AP. Other beneficiaries

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Task	Task Name	Description	Participants	
			Name	**Role**
T4.4	Measuring of a feedback of stakeholders on curricula and study programs in MD-UA universities	The input to this activity will be provided by Task Quality Assurance. In a frame of WP6 the methodize for collecting feedback from different target groups will be developed, the questionnaires for different groups of stakeholders will be created and translated to the teaching/learning languages of UA-MD universities. Different methods will be used: face-to-face interviews, surveys by e-mails/on web/phone interview, round tables for stakeholders – employers of graduates, etc. Measuring of a feedback and a degree of satisfaction from teaching staff, students, professional associations, Ministry' officers and entrepreneurs involved in teaching of students and curricular modernisation. Report from the partners on survey results with recommendations for newly developed curricula improvements will be elaborated. Using feedback from stakeholders UD and MD partners will consider necessary adjustments in the study courses. Reports will be presented at MC meeting.	RTU, DJUG, NKUA, CPNU, KhNAHU, LNTU, SNT, UTM, USARB, USC, DRÄXLMAIER Avtodom, Elcars, VOLYN-AUTO, Informbusiness	COO BEN AP COO, BEN, AP. Other beneficiaries

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Milestones and deliverables (outputs/outcomes)

No	Milestone Name	WP No	Lead Beneficiary	Description	Due Date	Means of Verification
MS4.1	Students' enrolment at new/ modernised courses	4	UDJG	MD and UA universities enrolled students at new/ modernised courses at their universities and started the testing of newly developed / modernised education programs.	M18	Reports from MD and UA beneficiary universities
MS4.2	Students traineeship completion and certification/ validation	4	UDJG	MD and UA universities finished the testing of newly developed / modernised education programs.	M30	Curricula testing reports from MD and UA universities. Students Training school reports of RTU, UJDG and NKUA.
MS4.3	Students' internship completion and certification/ validation	4	LNTU	The groups of students finished their internship at SNT, Informbusiness, DRÄXLMAIER, Avtodom, Elcars, VOLYN-AUTO, Chernihiv Claster enterprises.	M30	Reports from MD and UA beneficiary universities

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Milestones and deliverables (outputs/outcomes)

No	Milestone Name	WP No	Lead Beneficiary	Description	Due Date	Means of Verification
MS4.4	Teaching staff and support staff training has been finished	4	RTU/ KhNAHu	Teaching staff and support technical staff training on innovative aspects of Digital Learning Ecosystem has been finished.	M34	Reports from MD and UA beneficiary universities, Teachers training school reports of RTU, UJDG and NKUA. Attendee's list from seminars.
MS4.5	The feedback from main target groups is obtained and systemised.		RTU/ KhNAHU	The feedback from main target groups will be obtained during the 3rd year (survey of stakeholders, interviews, feedback from workshops and trainings, feedback from students' internships, etc.)	M32	Reports on feedback from main target groups from MD and UA beneficiary universities

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Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date	Description
D4.1	Students trained at new programs, courses.	4	UDJG	R — Document, report	PU	M30	317 students enrolled and trained at new programs, courses. Feedback from the traineeships.
D4.2	Study mobilities and training for students at EU partner universities	4.	UDJG	R — Document, report	PU	M28	72 study mobilities (1 week) and training for students at EU partner universities on particular modules on new programs. Feedback from the traineeships
D4.3	Pitch competition for students	4	RTU	R - Report on training and, Prototypes demonstrated by students	PU	M28	1 pitch competition 18 students enrolled at pitch competition in RTU.

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Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date	Description
D4.4	Student internships and master /bachelor degree diploma preparation	4	UDJG	R – about internship	PU	M30	41 students were trained during internships at plants of industrial partners. 6 student received support during internships for master bachelor degree diploma preparation.
D4.5	Teaching and technical staff trained at new programs, courses and innovative aspects of DLE platform	4	RTU	R – about training	PU	M34	-3 training seminars (3 days) for teaching staff at the EU partners 54 person of teaching staff trained at the EU partners -Feedback from the traineeships:

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Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date	Description
D4.5	Teaching and technical staff trained at new programs, courses and innovative aspects of DLE platform	4	RTU	R – about training	PU	M34	In total, 10 training seminars/WS (2 days) for teaching staff at the MD and UA universities will be held In WP1, WP2, WP3 and WP4. In total, 198 persons of teaching staff and support staff trained at the MD and UA universities
D4.6	Virtual shared labs	4	CPNU	Demonstration	PU	M30	Based on Sharing and Modelling Simulating Environment and DLE, 6 virtual shared labs of common interest for usage by teachers and students are developed – 6 labs.
D4.7	On-line workshop	4	UDJG	R – about training	PU	M34	3 on-line workshop

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Deliver able No	Deliverable Name	Work Packa ge No	Lead Benefi ciary	Type	Disseminati on Level	Due Date	Description
D4.7	On-line workshop with target goups	4	UDJG	R – about training	PU	M34	3 on-line workshop (2 days) on acquisition of DLE for with target goups: teacing and technical staff of beneficairies, staff of industrial stakeholders, displaced persons/ refugees (students and academic staff).
4.8	The report on feedback from main target groups is elaborated	4	RTU	R - report on feedback	PU	M32	The report on feedback from main target groups: survey of stakeholders, interviews, feedback from workshops and trainings, feedback from students' internships, etc.

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Deliverable No	Deliverable Name	Work Package No	Lead Beneficiary	Type	Dissemination Level	Due Date	Description
D4.9	A real convenient opportunity for displaced /refugees students and academic staff to be involved in education process	4	UDJG	R – about training	PU	M34	Due to creation 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.