WP3: Theoretical fundamentals of PhD Programme in SmaLog
Progress Seminar: Theoretical fundamentals of PhD Program

Zhytomyr Polytechnic State University
27-31 July 2021, Zhytomyr, Ukraine
+ on Line – MS Teams Platform

Work package 6 (DEV)
PILOT SMALOG STUDENTS' TRAINING:
final deliverable of the WP activities (second version)

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Overview

- ✓ Objectives

- ✓ Activities

- ✓ Statistics and Indicators

- ✓ Status of Activities

- ✓ Identified issues and proposal for going ahead

Objective

✓ Introduce SmaLog Master Programme into regular teaching.

Start (plan/actual): 01.01.2018 / 01.09.2018

End (plan/actual): 31.08.2020 / 30.06.2020

Lead Organisation: NUUE

Activities

6.1 Introduction SmaLog Programme into regular teaching ☑ Completed

6.2 Students' training at home universities ☑ Completed

6.3 Students' studying at EU universities ☑ Completed

6.4 Advertising and Admission Campaign ☑ Completed

6.5 Teachers' exchange between UA and GE Universities ☑ Completed

6.6 Master Theses' development and defence ☑ Completed

6.7 Feedback for SmaLog training improvement ☑ Completed

Overview for the meeting

- Enrolment 2021

- Accreditation of the Master program

- Proposal for going ahead & Sustainability

- Existing gaps?

6.1 Introduction SmaLog Programme into regular teaching

Date planned	Date actual	Obstacles encountered	Outcome planned	Outcome actual
07.01.2019	01.09.2018	According to new restrictions of Education law of Ukraine, it is not possible to start academic year in January. Shifting academic year. It starts in September 2018	15 students at each UA and GE university, total is 90 students.	completed

Number of students enrolled according to SmaLog program

Academic year	NUUE	NTU	LPNU	ZSTU	GTU	BSMA	Total
2018-2020	13	8	14	10	9	10	**64**
2019-2021	16	12	14	11	15	3	**71**
2020-2022	13	10	12	5	20	4	**64**
2021-2023	**13**	**10**	**12**				
Total	**55**	**40**	**52**	**26**	**44**	**17**	**199**

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6.1 Introduction SmaLog Programme into regular teaching

Only separate Modules of Master Programme in SmaLog is introduced into regular teaching at UA and GE Universities in 2018-2019 academic year:

- ✓ ZSTU (in accordance with speciality 274 Automobile transport),
- ✓ GTU,
- ✓ BSMA (in accordance with Business Administration).

These universities planned to implement Smalog programme in September 2019.

6.2 Students' training at home universities

Students will be trained according to new elaborated Master Programme at home universities.

NUUE

2018-2020

1st academic year

Sept	Oct	Nov	Dec	Jan	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Studing at home				Exam	Holida	Studing at home				Exam	Holiday	

2nd academic year

Sept	Oct	Nov	Dec	Jan	Feb	Feb	Mar	Apr	May
Studing	Studing at EU					Exam	Studing at home		Graduation

6.2 Students' training at home universities

EU professors lectured to students:

Prof. Comi,

Prof. Nuzzolo

Prof. Polimeni

Prof. Sladkowski

Prof. Sobota

Prof. Macioszek

Prof. Ciesla

Prof. Mrowczynska

6.2 Students' training at home universities

Industry experts lectured to students:

Serhii Dulfan, Head of Infrastructure Department of City Council

Dmytro Bespalov, PTV Group, A+C Consulting

Andrii Potapenko, Komkon Trafic LLC

6.3 Students' studying at EU universities

Plan: 20 the best students of the SmaLog specialty will be selected among every PC University; in March 2019 for them will be organized 1 month studying at the EU Universities.

DELETED and MERGED TO SMS.

Revision of budget allowed students to avoid suspensions in their educational paths at home institutions.

Training was combined with SMS period in September 2019 till February 2020 at Program Country universities.

6.4 Advertising and Admission Campaign

Date planned	Date rescheduled	Obstacles encountered	Outcome planned	Proposed outcome
01.04.2019-31.08.2019, 01.04.2020-31.08.2020	During year	Shifting academic year. It starts in September 2018	Dissemination and information regarding SmaLog Master programme	as planned and on going

Advertising and Admission Campaign at UA and GE Universities are provided by:

✓Project website: http://smalog-2017.uniroma2.it

✓Facebook Page/Group https://www.facebook.com/SmaLog2017/

✓Twitter: https://twitter.com/SmaLog2017

✓Websites of universities and their departments: NUUE, NTU, LPNU, ZSTU

✓Advertising in Google (NUUE)

✓Telegram channel (NUUE): @kafedra_tsl

6.4 Advertising and Admission Campaign

Advertising and Admission Campaign at UA are provided during year by means of publishing materials and creation of e-version:

✓ Image Booklets of the SmaLog Master Programme

✓ Project Brochure

✓ Project Leaflets

✓ Open Days

✓ Catalogue of Master thesis of students 2020 is printed.

NEW

✓ **Catalogue of Master thesis of students 2021 is in the process of development.**

6.5 Teachers' exchange between UA and GE Universities

Exchange of teachers among UA & GE Universities will be organized. Academic staff of UA Universities will assess both results obtained by own University as well as results developed by their colleagues from GE Universities and vice versa.

Date: 03.02.2020 – 29.03.2020

Webinars of teachers' experience exchange between UA and GE Universities

Data	Teacher	Topic
20.05.2021	Rossolov Oleksandr Assoc. Prof, PhD Transport systems and Logistics Department O. M. Beketov National University of Urban Economy in Kharkiv (NUUE)	Lecturing with PTV Visum software in frame of SmaLog modules
26.05.2021	Iryna Tkachenko Assoc. Prof, PhD Transport systems and Logistics Department O. M. Beketov National University of Urban Economy in Kharkiv (NUUE)	Environmental assessment of transport noise using VOLTCRAFT sound meter
26.05.2021	Assoc. Prof, PhD Ruslana Kolodnytska ZPSU, Department of Automobiles and Transport Technologies	Smart Transport: Hydrogen Fuel Cells and Biofuels
01.06.2021	Lidiia Savchenko, Assoc. Prof, PhD NTU	Concepts of sustainable logistics in the business context
02.06.2021	Volodymyr Kovalyshyn Assoc. Prof, PhD LPNU	Modeling of traffic flows using PTV Vissim
03.06.2021	Halyna Pivtorak Assoc. Prof, PhD LPNU	Introduction demand modelling using PTV Visum

6.6 Master Theses' development and defence

20Master theses prepared under supervision of EU and PC experts and Industry sector will be defended in the International Exam Commissions in June 2020.

Date: 01.01.2020 – 28.06.20

Indicators (2018-2020)	NUUE	NTU	LPNU	ZSTU	GTU	BSMA	Total
Number of enrolled students	13	8	14	10	9	10	**64**
Number of graduated students	12	8	11	12	12	14	**69**
Number of students who defended their thesis in English	1	3	-	-	0	1	**5**

6.6 Master Theses' development and defence

O. M. Beketov National University of Urban Economy in Kharkiv
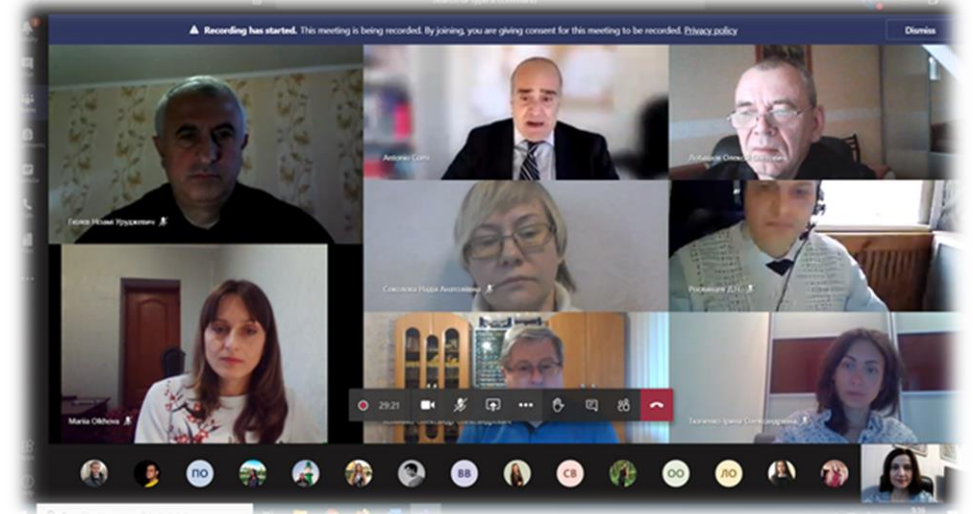
28 of May 2020

International Examination Board:

NUUE experts: 4 professors

Industry sector: director of LLC "ATP16327"
Kolinko Oleksandr

EU experts: prof. Comi

6.6 Master Theses' development and defence

National Transport University

25 of June 2020

International Examination Board

NTU experts: 4 professors

Industry sector: director Kyivdormistproject Institute
               Volodymyr Vorobiov

EU experts: prof. Comi (UNITOV)
               prof. Persia (Sapienza University)
               prof. Gruenwald (HWU)
               prof. Sładkowski (SUT)

6.6 Master Theses' development and defence

Lviv Polytechnic National University

28 of May 2020

Examination Board

NTU experts: 5 professors

Industry sector: enterprise

6.6 Master Theses' development and defence

Interesting memory 👍

Masters of the first graduation of SmaLog

https://www.facebook.com/watch/?v=3488828564478293

https://www.facebook.com/watch/?v=604163027115966

https://www.facebook.com/watch/?v=288177339006626

6.6 Master Theses' development and defence

Second Generation of students

2019-2021 academic year

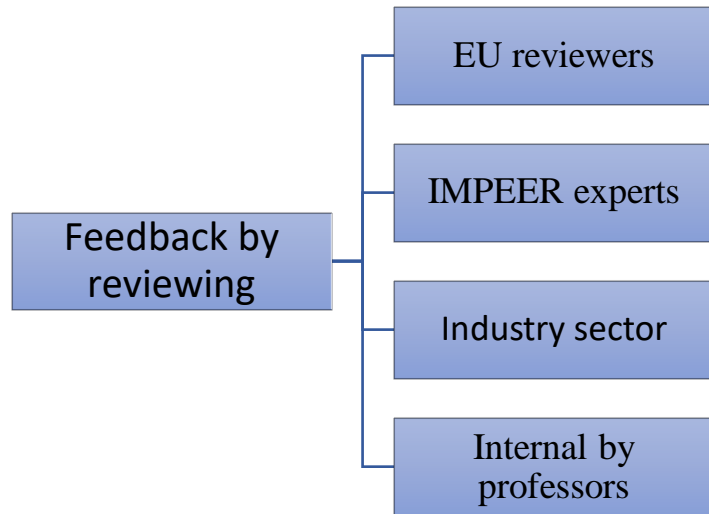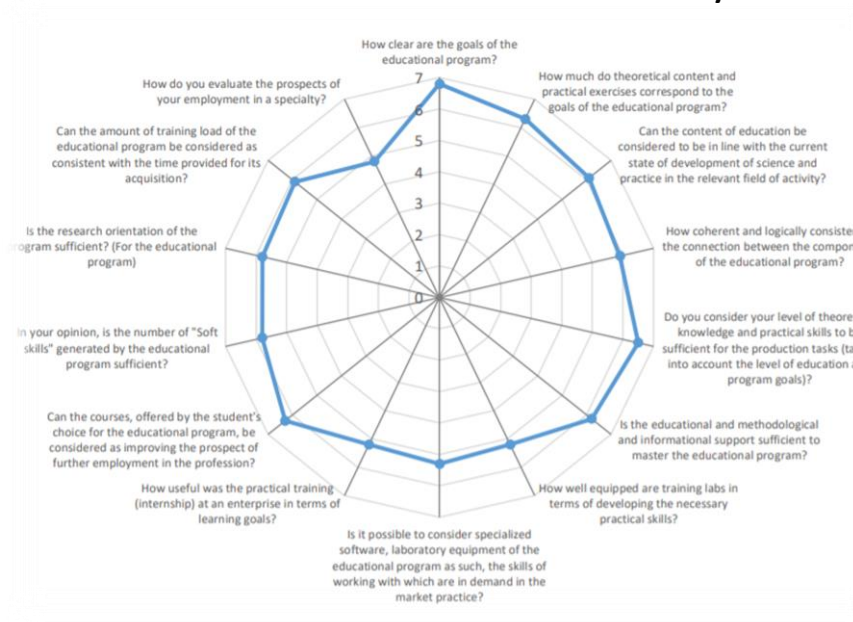| Indicators (2019-2021)	NUUE	NTU
Number of enrolled students	16	12
Number of graduated students	16	12

6.7 Feedback for SmaLog training improvement

Feedback provided by peers, employers, stakeholders (including EU representatives), students and staff via employability of alumni indicators, student academic performance.
Date 30.01.2020, 30.06.2020

Feedback from stakeholders

Feedback from students: survey

Feedback from teachers

Student's academic performance (average score) is 89 (max 100).
Employability of alumni indicators is 90 %.

It was reconsidered Curriculum 2021 in NUUE taking into account feedback from teachers.

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Statistics and Indicators

Indicators	NUUE	NTU	LPNU	ZSTU	GTU	BSMA
Academic year	2018-2020	2018-2020	2018-2020	2018-2020	2018-2020	2018-2020
Courses updated (developed/accredited) in line with Bologna principles	Totally accomplished	Totally accomplished	Totally accomplished	Totally accomplished		Totally accomplished
Number of new/updated courses DEVELOPED	12	12	12	12	10	10
Number of new/updated courses RECOGNISED/ACCREDITED	12	12	12	12	10	10
Number of new/updated courses IMPLEMENTED/DELIVERED	12	12	12	12	10	10
Volume (in ECTS) of new/updated courses	55	76	81	48	50	50
Number of learners / trainees enrolled (per intake / course delivery)	13	8	14	10	9	10
Number of graduated students	12	8	11	12	12	14
Number of students who were training in EU universities	8	5	4	17	5	2
Number of students who defended their thesis in English	1	3	-	-	0	1
% of the new curriculum taught in foreign language of the total of new curriculum developed by the project:	36	21	16	20	15	15
Accredited by the National Agency for Higher Education Quality Assurance (Ukraine) NEW	Certificate № 436, valid until 16.06.2025	**2023**	**2021**	**Planned**		
Student's academic performance (average score)	91	92	84	85	85	87
Number of employed (number of employed by specialty)	10(9)	8 (6)	10(8)	12(10)	12(10)	14 (10)
Survey results of students	+	+	+	+	+	+
Review of Smalog program by employers	+	+	+	+	+	+

Status of activities

WP	Title	Status
6.1	Introduction SmaLog Programme into regular teaching	Completed
6.2	Students' training at home universities	Completed, ongoing
6.3	Students' studying at EU universities	Deleted. Completed as part of Special Mobility Strand
6.4	Advertising and Admission Campaign	Completed, ongoing
6.5	Teachers' exchange between UA and GE Universities	Completed
6.6	Master Theses' development and defence	Completed
6.7	Feedback for SmaLog training improvement	Completed, ongoing

Identified issues and proposal for going ahead

Identified weaknesses:

1. Total number of student does not meet to planned number of students (90 to 72 resp.).
2. % of the new curriculum taught in foreign language of the total of new curriculum developed by the project does not meet to specified in Application (100 % to 23 % resp.)
3. Volume (in ECTS) of new/updated courses does not meet to specified in Application (100 to 60 resp.)
4. It was planned, but it is not implemented: Master degree in SmaLog (it will be graduated by two diplomas (e.g. Ukrainian /Georgian) and Double/ degrees among Partner and Programme countries' institutions). Joint/double degree was postponed, as agreed/shared with Project Officer.
5. Only separate modules of SmaLog introduced in ZSTU, GTU, BSMA.
6. GTU are not shared their information regarding teaching process at their universities.

Final deliverable of the WP activities (first version)

Outcomes and Results from SmaLog project of WP 6 first version has been developed, but without data from GTU university.

Identified issues and proposal for going ahead

Proposal for going ahead for achieving sustainability :

1. Accredit Smalog program by the National Agency for Higher Education Quality Assurance (Ukraine) in NTU, LPNU.
2. Totally implement in ZSTU with further accreditation by NAHEQA (Ukraine).
3. Implement educational program Smalog in Georgian universities GTU, BSMA.
4. Improve SmaLog Curricula (content, training process) namely based on feedbacks.
5. Implementation Guide of QAS developed in framework of the project at universities.
6. Develop KA1 project for Smalog students and staff.

Existing gaps?

Is there any gap at UA and Ge universities?