



**Dmytro Motorny Tavria State
Agrotechnological University**

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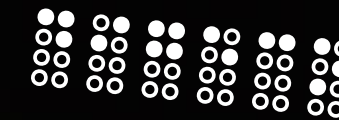
DigEco

618270-EPP-1-2020-1-LT-EPPKA2-CBHE-JP
Digitalization of economic as an element of
sustainable development of Ukraine and
Tajikistan / DigEco

DigEco results at Quality Assurance Group

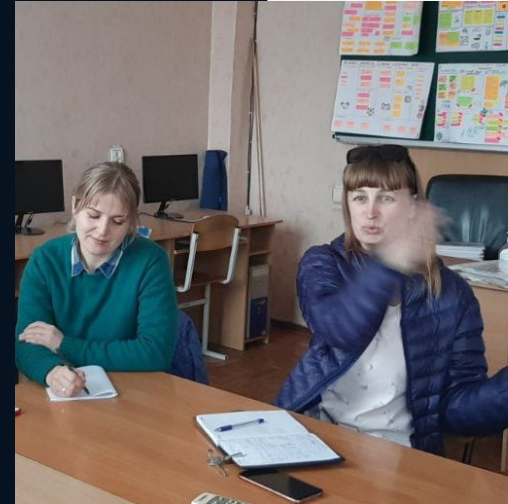
February 27, 2023

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01

Quality Assurance Group (QAG)



Teachers (3 persons)

Tetiana Kulish (Department of Marketing)
Yana Sokil (Department of Marketing)
Olena Demchuk (Department of Finance, Accounting and Taxes)



Students (3 persons)

Victoria Plyasetska, MA, Marketing
Oleksandra Krayeva, MA, Marketing
Marina Margaryan, MA, Food Technology



Stakeholders (3 persons)

Andriy Kuts, Vice President of Zaporizhzhya Chamber of Commerce
Iryna Fursova, Head of the Entrepreneurship Department at Melitopol Council
Isaeva Olena - head of Manufactory UkrFavorit

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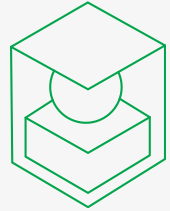


1. 13 DigEco curricula implemented in the study process;
2. teaching/learning materials, e-learning courses inc. PIE components developed;
3. Digitalization work material of 13 MA courses inc. PIE component. 13 virtual courses inc. PIE component downloaded to the VPLP;
4. VIDELab incl. PIE components created
5. 1 guideline inc. PIE components developed (according to National Law) in Ukrainian and English
6. 9 teachers o retrained at P1-P3 on Digital Economic Courses, incl. PIE component.
7. 45 teachers retrained on Digital Economic Courses inc. PIE at home basis at P8
8. Digital Economic Courses inc. PIE component methodologies were developed to focus on regional stakeholders' demands and directions of P8 and implemented in the study process.
9. min 47 students participated in pilot teaching using created learning environment on new curricular
10. min 20 students created 5 joint masters' projects using the digital economic methodology and PIE component
11. 4 surveys of students/teachers were conducted according to QP at P8
12. no less than 20 students/ 5 teachers participated in surveys
13. Min 3 interval evaluation reports
14. Min 3 NEO of UA and 1 Institutional EACEA monitoring conducted
15. 1 project page at the P8 site was created.
16. Min 6 consortia publications published electronically
17. 3 DigEco profiles in English created (Facebook / Instagramm / Twitter) 1 You Tube channel and 1 Telegram Channel.
18. 10 media coverage of the project activities for incl. joint WEB-based platforms, and groups in social networks;
19. 5 "DigEco+" Agreement;
20. 12 listeners will participate in refresh courses for graduates incl. adaptation of ECTS and PIE component

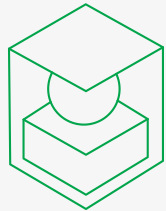


03

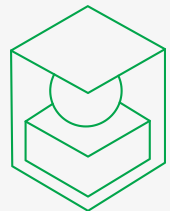
Objectives of QCP for P8



To evaluate the results of the implementation of DigEco curricula, teaching/learning materials, digital versions, the guideline inc. PIE components



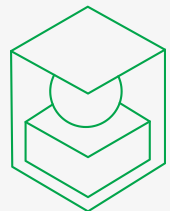
To validate a necessary list of equipment and software according to students'/stakeholders' needs inc. PIE.



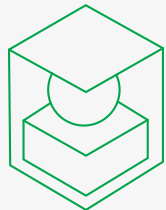
To check out the results of the ViDEL operation and its use in the teaching/learning process



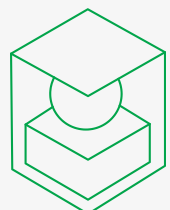
To appraise the results of teachers' offline and online retraining



To study the needs of the labor market in graduates with digital-oriented skills



To evaluate the level and quality of involvement of students and other stakeholders in a learning environment by using ViDEL



To prepare periodical reports, monitoring, and surveys results periodically according to the DigEco Plan and disseminate results on Scientific Boards and media



DigEco

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Roles and responsibilities of QAG for P8



Quality Unit on digitalization and implementation

1. *Olena Demchuk (Department of Finance, Accounting and Taxes)*
2. *Oleksandra Krayeva, MA, Marketing*
3. *Marina Margaryan, MA, Food Technology*
4. *Isaeva Olena - head of Manufactory UkrFavorit*

- Management of DigEco curricula and syllabuses implementation;
- Organization and execution of focus groups on the discussion of the quality of teaching/learning materials, e-learning courses inc. PIE components;
- Investigation of courses digitalization and development of virtual courses inc. PIE component;
- Controlling for the development of VIDEL incl. PIE components;
- Creation and monitoring of media plan on the webpage at the P8 site;
- Management of dissemination of the results of the DigEco in local media, social media pages, and scientific journals

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Roles and responsibilities of QAG for P8



Quality Unit on assessment and monitoring

1. *Tetiana Kulish (Department of Marketing)*
2. *Victoria Plyasetska, MA, Marketing*
3. *Andriy Kuts, Vice President of Zaporizhzhya Chamber of Commerce*

- Development of QA Plan with deliverables and KPIs
- Organization of focus groups and surveys under the results of teaching retraining and pilot teaching of students;
- Monitoring the actual DigEco topics for students' science work and MA projects according to digital economic methodology and PIE component;
- Organization of surveys of students' achievements in DigEco;
- Organization of teaching/stakeholders surveys of DigEco implementation;
- Writing interval and final reports of QAG work and DigEco results

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Roles and responsibilities of QAG for P8



Quality Unit on Labor Market Requirements

1. Yana Sokil (Department of Marketing)
2. Iryna Fursova, Head of the Entrepreneurship Department at Melitopol Council

- Conducting an analysis of current educational content in the field of DigEco;
- Development a guideline inc. PIE components for practical and training materials according to labor market requirements;
- Formation of a list of skills, competencies, and learning results focusing on regional stakeholders;
- Organization and execution of round-tables and signing with stakeholders 5 agreements “DigEco+”;
- Monitoring the results of refresh courses for graduates SMEs Inc. PIE component



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Schedule activities of QU on digitalization and implementation

Activities

Timeline

Notes

Management of DigEco curricula and syllabuses implementation

4M1Y, 8M1Y

focus-group, round-table, reports of Methodological Board at P8

Organization and execution of focus groups on the discussion of the quality of teaching/learning materials, e-learning courses inc. PIE components

10M1Y

focus group, materials at MOODLE, students' feedback, reports of Methodological Board at P8

Investigation of courses digitalization and development of virtual courses inc. PIE component

10M2Y

focus group, materials at MOODLE, students' feedback

Controlling for the development of VIDEL incl. PIE components and VPLP

7M1Y, 2Y
permanently

Day-to-Day Internal Evaluation, tenders applications, receipts

Creation and monitoring of media plan at the webpage at the P8 site

1Y, 2Y, 3Y
permanently

online evaluation in function, Day-to-Day Internal Evaluation

Management of dissemination of the results of the DigEco in local media, social media pages, and scientific journals

2M1Y, 4M1Y, 8M1Y, 10M1Y,
11M1Y, 3M2Y, 8M2Y,
11M2Y, 3M3Y, 11M3Y

online evaluation in function, posts, video records, pictures, copies of scientific articles

Schedule activities of QU on assessment and monitoring

Activities

Timeline

Notes

Development of QA Plan with deliverables and KPIs

4M1Y

QA Plan

Organization of focus groups and surveys under the results of teaching retraining and pilot teaching of students

4M1Y, 10M1Y, 7M1Y,
1M2Y, 7M2Y, 7M3Y,

focus group reports,
questionnaires, monitoring of
survey, results of surveys

Monitoring the actual DigEco topics for students science work and MA projects according digital economic methodology and PIE component

3M1Y, 12M1Y, 3M2Y,
12M2Y, 3M2Y

the list of topics,
recommendations of
stakeholders, feedback from
students

Organization of surveys of students' achievements in DigEco

7M1Y, 2M2Y, 7M2Y,
2M3Y, 7M3Y

questionnaires, monitoring of
survey, results of survey

Organization of teaching/stakeholders surveys of DigEco implementation

4M1Y, 8M1Y, 10M1Y,
3M2Y, 10M2Y, 3M3Y

questionnaires, monitoring of
survey, results of survey

Writing interval and final reports of QAG work and DigEco results

1M1Y, 12M1Y, 6M2Y,
12M2Y, 6M3Y, 12M3Y

interval and annual reports

Schedule activities of QU on labor market requirements

Activities

Timeline

Notes

Conducting an analysis of current educational content in the field of DigEco

3M1Y

focus group, round-table, peer reviews,

Development a guideline inc. PIE components for practical and training materials according to labor market requirements

7M1Y, 3M2Y

focus-group, round-table, reports of Methodological Board at P8

Formation a list of skills, competencies and learning results focusing on regional stakeholders

7M1Y, 8M1Y, 10M1Y, 3M2Y, 7M2Y, 3M3Y

focus group, stakeholders' feedback

Organization and execution of round-tables and signing with stakeholders 5 agreements “DigEco+”

during 3Y

round tables, agreements, Feedback from EU partners during workshops

Monitoring the results of refresh courses for graduates SMEs inc.PIE component

12M1Y

questionnaires, monitoring of survey, results of survey, Feedback from EU partners during workshops

Methodology and procedures for evaluation of project activities and results

The Quality Assurance methodology (QAM) is the general policy, strategy, and procedures for ensuring the quality of DigEco implementation at TSATU, the distribution of responsibility for improving the internal quality assurance, which includes a number of tasks, measures, and deliverables, monitoring, and analysis of the results of activities, including regarding the provision of quality acquisition of knowledge, skills and other competencies in accordance with the UA standards of higher education and relevance in the labor market.

QAM provides for the implementation of the following procedures and measures:

1. determination of the principles and procedures for ensuring the quality of education in DigEco;
2. monitoring and periodic review of educational programs, course materials, pilot teaching, and retraining;
3. internal and annual assessment of students and teachers, and regular publication of the results of such assessments on the DigEco website, official documents, or in any other way;
4. provision of advanced training and refresh courses for teachers and stakeholders during DigEco operation;
5. ensuring the availability of the necessary resources for the educational process, incl PIE;
6. ensuring the availability of information systems for effective management of the educational process, inc VIDEL, and VPLP;
7. ensuring publicity of information about educational programs, curricula, course materials, and other results in mass media and social media;
8. provision of an effective system of prevention and detection of academic plagiarism in educational and scientific works;
9. other procedures and measures.

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Quality Assurance plan deliverables



Title

Level of study

List of subjects and credits (ECTS or comparable credit system) for each of them

Estimated date of accreditation and accreditation body

% of the modernized subjects compared to total subjects included in the course

Number of students to be accepted in the first year/ second year

Number of teaching staff to be trained

Internship /placements (if applicable)

Marketing

Master's degree

- Digital Literacy- 4 ECTS
- Design thinking-4 ECTS
- Data Analytics for Marketing-5 ECTS
- Digital Marketing in Action - 3 ECTS

- Scientific Board of P8 May 15, 2021

- 25

- 12/20

- 2 at HEI/10 at home basis

- Management Company “Mariupol Investment Group”

Results

- Digital Literacy- 4 ECTS
- Design thinking-5 ECTS
- Data Analytics for Marketing-5 ECTS
- Digital Marketing in Action - 4 ECTS
- Digital Busines Model - 3 ECTS
- Scientific Board of P8 May 24, 2021

- 42

- 9/18

- 4 at HEI/10 at home basis

- Zaporizhzhya Chamber of Commerce

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Quality Assurance plan deliverables

Title

Level of study

List of subjects and credits (ECTS or comparable credit system) for each of them

Estimated date of accreditation and accreditation body

% of the modernized subjects compared to total subjects included in the course

Number of students to be accepted in the first year/ second year

Number of teaching staff to be trained

Internship /placements (if applicable)

Accounting and audit

Master's degree

- Digital literacy-4 ECTS
- Digital Performance in Business and Economics - 4 ECTS
- Big data analytics and business intelligence - 5 ECTS
- Data Entrepreneurship in Action - 4 ECTS
- Scientific Board of P8 May 15, 2021

• 50

• 12/20

• 2 at HEI/10 at home basis

• Termolit

Results

- Digital literacy-4 ECTS
- Digital Performance in Business and Economics - 4 ECTS
- Big data analytics and business intelligence - 5 ECTS
- Data Entrepreneurship in Action - 5 ECTS
- Blockchain, Innovation management, and Disruptive technology - 3 ECTS
- Scientific Board of P8 May 24, 2021

• 50

• 32/28

• 3 at HEI/10 at home basis

• Termolit

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Quality Assurance plan deliverables

Title

Level of study

List of subjects and credits (ECTS or comparable credit system) for each of them

Estimated date of accreditation and accreditation body

% of the modernized subjects compared to total subjects included in the course

Number of students to be accepted in the first year/ second year

Number of teaching staff to be trained

Internship /placements (if applicable)

Finance, Banking and Insurance

Master's degree

- Digital literacy - 4 ECTS
- Fintech in banking, insurance, and asset management - 4 ECTS
- Blockchain, Innovation management, and Disruptive technology - 3 ECTS
- Big Data Analytics in Finance - 5 ECTS

• Scientific Board of P8 May 15, 2021

• 50

• 12/20

• 2 at HEI/10 at home basis

• LLC UkrFavorit

Results

- Digital literacy-4 ECTS
- Fintech in banking, insurance, and asset management - 4 ECTS
- Blockchain, Innovation management, and Disruptive technology - 3 ECTS
- Big data analytics in Finance - 5 ECTS
- Data Entrepreneurship in Action - 5 ECTS

• Scientific Board of P8 May 24, 2021

• 50

• 14/22

• 3 at HEI/10 at home basis

• LLC UkrFavorit



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Quality Assurance plan deliverables



Title

Level of study

List of subjects and credits (ECTS or comparable credit system) for each of them

Estimated date of accreditation and accreditation body

% of the modernized subjects compared to total subjects included in the course

Number of students to be accepted in the first year/ second year

Number of teaching staff to be trained

Internship /placements (if applicable)

Management

Master's degree

- Digital literacy - 4 ECTS
- Digital Business Models - 4 ECTS
- Big Data Management - 5 ECTS
- Agile project management - 4 ECTS

- Scientific Board of P8 May 15, 2021

- 25

- 10/12

- 2 at HEI/10 at home basis

- Center for Administrative Services of the Melitopol

Results

Entrepreneurship and trade

- Digital literacy - 4 ECTS
- Digital Business Models - 4 ECTS
- Big Data Management - 5 ECTS
- Agile project management - 4 ECTS

- Scientific Board of P8 May 24, 2021

- 25

- 11/14

- 2 at HEI/10 at home basis

- Entrepreneurship Department at Melitopol Council

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Quality Assurance plan deliverables



Title

Food technologies

Results

Level of study

Master's degree

Master's degree

List of subjects and credits (ECTS or comparable credit system) for each of them

- Digital Performance in Business and Economics - 4 ECTS

Estimated date of accreditation and accreditation body

- Scientific Board of P8 May 24, 2021

% of the modernized subjects compared to total subjects included in the course

- 5

Number of students to be accepted in the first year/ second year

- 39/43

Number of teaching staff to be trained

- 1at HEI/3 at home basis

Internship /placements (if applicable)

- LLC South milk and fat factory

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Expected tangible results from the project



1. 13 DigEco curricula implemented in the study process (13 courses taught at 5 programs);
2. teaching/learning materials, e-learning courses inc. PIE components developed (13 course packages approved at Methodical Board of the Faculty of Business and Economics - lecture notes, practical lessons, individual student work);
3. Digitalization work material of 13 MA courses inc. PIE component. 13 virtual courses inc. PIE component downloaded to the VPLP (13 courses downloaded to Educational platform TSATU);
4. VIDELab incl. PIE components created (equipment was purchased, VIDEL does not operate because of occupation of TSATU buildings in Melitopol);
5. 1 guideline inc. PIE components developed (according to National Law) in Ukrainian and English (in the process);
6. 9 teachers retrained at P1-P3 on Digital Economic Courses, incl. PIE component (9 teachers were trained offline and online);
7. 45 teachers retrained on Digital Economic Courses inc. PIE at home basis at P8 (more than 100 teachers were retrained)
8. Digital Economic Courses inc. PIE component methodologies were developed to focus on regional stakeholders' demands and directions of P8 and implemented in the study process (in a process);
9. min 47 students participated in pilot teaching using created learning environment on new curricular (230 students)
10. min 20 students created 5 joint masters' projects using the digital economic methodology and PIE component (9 projects);
11. 4 surveys of students/teachers were conducted according to QP at P8 (6 surveys);
12. no less than 20 students/ 5 teachers participated in surveys (approximately 50 students/50 teachers)
13. Min 3 interval evaluation reports (2 evaluation reports)



Expected tangible results from the project



The number of regional level enterprises, implemented digital technology in economic, finance management sphere growth of the implementation of DigEco in region;	12
100% employability of DigEco program graduates;	80%
the annual DigEco enrolment increased	20% growth of students
the annual stakeholders demand on DigEco gradulators increased;	42% growth of stakeholders
the level of teacher qualification / English level skills increased;	more than 100 trained teachers
the % of courses. which deliver in English increased;	1 English course taught
% of international students/teachers mobility increased;	30% growth of academic mobility
the level of inclusive education increased;	28% of IE (vision)
the % of the employment of people with disabilities increased	15%

Expected tangible results from the project



P8 academic staff with skills to digitalize the courses (incl. English language and PIE)	6
Virtual courses for free/ pay basis	2 in a process
Retraining courses for ENTs developed and delivers on pay basis	
Students' works using DigEco Lab on the ENTs/local authority order.	Training with MASHAV, Israel fund (Feb, 2022) Training with Odessa Trade Chamber (Sep, 2022) International Scientific and practical conferences (Sept, 2021)
Master-classes on digitalization for interesting stakeholders (DigEco+) using on pay basis	adaptation of military servicemen and military servicemen, Sept - Dec, 2021; Jan-Febr, 2022
PIE in function	in a process
Erasmus K1 will be operate (min 1) for students/teachers mobility on DigEco curricular	



Get in touch with us

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University

Visit website of
DigEco

<https://sites.google.com/tsatu.edu.ua/digeco-ua/>

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