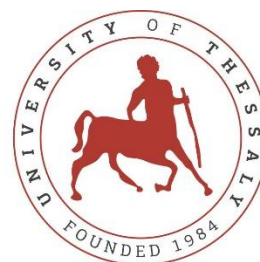




Co-funded by the
Erasmus+ Programme
of the European Union



UNIVERSITY OF
THESSALY

Activity 2. Needs Analysis and Design of Assist Courses - Overview report

This report was prepared for and submitted to the “ASSIST” Project by Nikolaos Mallios – Headmaster of the Second Chance School of Domokos and coordinator of the project

“The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein”



1. Table of Contents

1. Table of Contents	1
1.1 History changes.....	1
2. Introduction	2
3. Needs Analysis - Questionnaire	2
3.1. Consortium's online meeting.....	2
3.2. Preparation of the questionnaire – Needs Analysis	2
3.3. The Questionnaire – 4 sets of Questions	3
3.4. Answering the questionnaire	5
4. Results	7
5. Conclusions – Further Steps	14
6. References.....	18

1.1 History changes

Version Number	Date of Issue	Document Title	Author(s)
1.0	22/04/2024	Activity 2. Needs Analysis and Design of ASSIST courses – Overview report	Nikolaos Mallios
2.0	12/07/2024	Activity 2. Needs Analysis and Design of ASSIST courses – Overview report	Nikolaos Mallios

2. Introduction

This report is generated for the ASSIST - enhAncing digital Skills In priSon education project with No. 2023-1-EL01-KA210-ADU-000158469 and reflects all the necessary tasks the consortium has implemented to deliver activity 2 of the prespecified project.

The report will be updated in predefined intervals, reflecting the actual progress of activity 2 and will be submitted to the Beneficiary module of the Erasmus+ platform when it is completed.

3. Needs Analysis - Questionnaire

3.1. Consortium's online meeting

The consortium of ASSIST project comprises of 3 partners (Second Chance School of Domokos, University of Almeria and University of Thessaly) who contribute equivalent to all project's activities.

In 20th of December 2023, the coordinator of the project, Mr. Mallios Nikolaos (Headteacher of the Second Chance School of Domokos) called an online meeting, which took place at 19:00 CET time with a prespecified agenda.

In the meeting, all partners had the chance to introduce themselves and their organizations and the coordinator presented the main activities of ASSIST project, the lump-sum financial mechanism and allocated tasks to every partner.

3.2. Preparation of the questionnaire – Needs Analysis

All **three partners** were involved in the 2nd activity of the project and contributed with their valuable experience and knowledge to form a 20-question questionnaire splitted in 4 parts, that was distributed (at a later time) to the actual beneficiaries of this project (the imprisoned students of the Second Chance School of Domokos).

The questionnaire was designed using the Plickers tool (www.plickers.com) and an account was created for that reason by the coordinator of the project.

The actual link of the questionnaire was distributed among the other two partners (University of Thessaly and University of Almeria), who contributed to forming the right questions and delivering the final version of the questionnaire.

3.3. The Questionnaire – 4 sets of Questions

Below, is the actual listing of the 4 sets of questions that were designed by the consortium for the purposes of activity 2 of ASSIST project.

SET 1 – Basic questions

1. What is your age group?

- A 18-25
- B 26-35
- C 36-45
- D 45+

2. Mother language

- A Greek
- B Balkan
- C Other European
- D Other NON-European

Educational level

3. How many years have you attended school?

- A Not at all
- B Less than 3 years
- C 3-6
- D More than 6

4. How well can you understand Greek?

- A Very little
- B Little
- C Enough
- D Very well

5. How many months do you attend lessons in the Second Chance School?

- A 0-3
- B 4-9
- C 10-15
- D More than 15

SET 2 – Basic computer knowledge

1. How do you assess your knowledge in computers?

- A Basic
- B Intermediate
- C Advanced

2. Do you know the differences between software and hardware?

- A Yes
- B No

3. I know how to solve some routine problems (e.g. close program, re-start computer, re-install/update program, check internet connection).

- A Not very true of me
- B Neither true nor untrue of me
- C Very true of me
- D I do not understand what you mean

4. Have you ever used Internet (browsing for information)?

A Yes

B No

5. Did you ever attend in the past an e-learning course (using a computer)?

A Yes

B No

SET 3 - Competence Areas in Word Processing

1. Have you ever used Word or any other similar word processing program?

A Yes

B No

2. I can write a simple word document

A Not very true of me

B Neither true nor untrue of me

C Mostly true of me

D I do not understand what you mean

3. I can use simple format commands in Word

A Not very true of me

B Neither true nor untrue of me

C Mostly true of me

D I do not understand what you mean

4. I know how to create a table in Word

A Not very true of me

B Neither true nor untrue of me

C Mostly true of me

D I do not understand what you mean

5. I believe that Word processing is only for professionals.

A Agree a little

B Agree a lot

C I do not agree

D I do not know

SET 4 - Basic programming skills

1. I know what a computer program is

A True

B False

C I do not know



2. What do you expect from an e-learning course about computer-related material

A I believe it will help me adapt in society after my release

B It will make my time inside prison pass "easily"

C It will help me find a job after my release

D All the above

3. I have used at least one programming language in the past
A Not very true of me
B Neither true nor untrue of me
C Very true of me
D I do not understand what you mean
4. I believe I can solve a simple math problem (equation, finding nearest path)
A Not very true of me
B Neither true nor untrue of me
C Very true of me
D I do not know what you mean
5. I can understand the concept of variables in a programming language
A True
B False
C I do not know

3.4 Answering the questionnaire

The questionnaire was distributed among a selected group of students of the Second Chance School of Domokos. That took place at a designated area of the school and in total 22 imprisoned learners of the school filled the questionnaire completely and without any problems.

As the pictures below reflect, the whole procedure went smoothly and everyone enjoyed it. Imprisoned learners of the school answered every question successfully, raised more questions about the project and will wait impatiently for the next phase of the project (activity 5 of the project – the actual teaching of material prepared specifically for them and targeted towards their needs).





4. Results

As earlier exemplified the questionnaire was spitted in 4 sets for better understanding of the questions and for smoother analysis of the answers that were given. Below are listed the answers upon the questions given, distributed in 4 sets and in terms of simple graphical analysis.

SET 1 – Basic Questions

< General information What is your age group?

• SDE

Saturday 16 November 5:28 PM



< Mother language

● SDE

Saturday 16 November 5:30 PM

...



< Educational level How many years have you attended school?

● SDE

Saturday 16 November 5:33 PM

...



< How well can you understand Greek?

● SDE

Saturday 16 November 5:36 PM

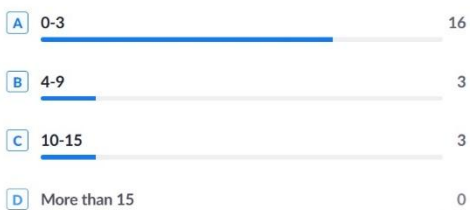


< How many months do you attend lessons in the Second Chance School?

● SDE

Saturday 16 November 5:39 PM

...



SET 2 – Basic computer knowledge

< Basic Computer Knowledge Have do you assess your knowledge in computers?

● SDE

Saturday 16 November 10:57 AM



< Do you know the differences between software and hardware?

● SDE

Saturday 16 November 11:01 AM



< I know how to solve some routine problems (e.g. close program, re-start computer, re-...

● SDE

Saturday 16 November 11:05 AM



< Have you ever used Internet (browsing for information)?

● SDE

Saturday 16 November 11:08 AM



< Did you ever attend in the past an e-learning course (using a computer?)

• SDE

Saturday 16 November 11:11 AM



SET 3 - Competence Areas in Word Processing

< Have you ever used Word or any other similar word processing program?

• SDE

Saturday 16 November 5:41 PM



< I can write a simple word document

• SDE

Saturday 16 November 5:44 PM



< I can use simple format commands in Word

• SDE

Saturday 16 November 5:46 PM



< I know how to create a table in Word

SDE

Saturday 16 November 5:49 PM

- | | | |
|------------------------------------|-----------------------------------|----|
| ☒ A | Not very true of me | 17 |
| ☒ B | Neither true nor untrue of me | 5 |
| ☐ C | Mostly true of me | 0 |
| ☐ D | I do not understand what you mean | 0 |

< I believe that Word processing is only for professionals.

SDE

Saturday 16 November 5:51 PM

- | | | |
|------------------------------------|----------------|----|
| ☒ A | Agree a little | 2 |
| ☒ B | Agree a lot | 15 |
| ☒ C | I do not agree | 2 |
| ☐ D | I do not know | 3 |

SET 4 - Basic programming skills

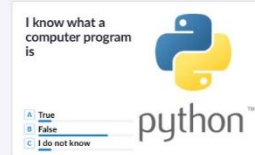


< I know what a computer program is

• SDE

Saturday 16 November 5:54 PM

- | | | |
|----------|---------------|----|
| A | True | 3 |
| B | False | 16 |
| C | I do not know | 3 |



< What do you expect from an e-learning course about computer-related material

• SDE

Saturday 16 November 5:56 PM

- | | | |
|----------|--|----|
| A | I believe it will help me adapt in society after my releas | 5 |
| B | It will make my time inside prison pass "easily" | 1 |
| C | It will help me find a job after my release | 2 |
| D | All the above | 14 |

< I have used at least one programming language in the past

• SDE

Saturday 16 November 5:59 PM

- | | | |
|----------|-----------------------------------|----|
| A | Not very true of me | 16 |
| B | Neither true nor untrue of me | 2 |
| C | Very true of me | 1 |
| D | I do not understand what you mean | 3 |

< I believe I can solve a simple math problem (equation, finding nearest path)

• SDE

Saturday 16 November 6:01 PM

A	Not very true of me	14
B	Neither true nor untrue of me	2
C	Very true of me	1
D	I do not know what you mean	5

< I can understand the concept of variables in a programming language

• SDE

Saturday 16 November 6:03 PM

A	True	0
B	False	17
C	I do not know	5
D		0

Moreover, you can see below the whole table of answers for each one of the imprisoned learners for all 4 sets of questions.

ASSIST Questionnaire Saturday 5:28 PM						
# Name ^	Total	General information What is your	Mother language	Educational level How many years	How well can you understand	How many months do you attend lessons
Class Average		Survey	Survey	Survey	Survey	Survey
1 SDE		C	D	B	A	C
Guest 2		B	B	B	B	A
Guest 3		C	B	B	B	B
Guest 4		B	C	B	B	B
Guest 5		A	D	A	D	A
Guest 6		D	A	D	A	A
Guest 7		B	D	B	C	C
Guest 8		B	D	C	B	A
Guest 9		C	D	C	C	C
Guest 10		B	D	B	B	A
Guest 11		D	D	A	A	B
Guest 12		B	D	B	B	A
Guest 13		A	D	B	A	A
Guest 14		B	A	B	B	A
Guest 15		B	D	C	C	A
Guest 16		C	D	A	B	A
Guest 17		B	D	B	B	A
Guest 18		B	D	B	A	A
Guest 19		B	D	B	B	A
Guest 20		B	C	B	B	A
Guest 21		B	D	B	C	A
Guest 22		C	D	C	C	A
Guest 23		C	D	C	C	A
Guest 24		B	D	B	B	A
Guest 25		B	C	B	B	A
Guest 26		B	D	B	B	A
Guest 27		B	D	B	B	A
Guest 28		B	D	B	B	A
Guest 29		B	D	B	B	A
Guest 30		B	D	B	B	A

Basic Computer Knowledge: Saturday 24.07.2024						
# Name ^	Total	Basic Computer Knowledge	Do you know the difference between	I know how to solve some routine	Have you ever used internet browsing for	Did you ever attend in the past an e-
Class Average		Survey	Survey	Survey	Survey	Survey
1 SDE						
Guest 2						
Guest 3						
Guest 4						
Guest 5						
Guest 6						
Guest 7						
Guest 8						
Guest 9						
Guest 10						
Guest 11						
Guest 12						
Guest 13						
Guest 14						
Guest 15						
Guest 16						
Guest 17						
Guest 18						
Guest 19						
Guest 20						
Guest 21						
Guest 22						

Competence Areas in Word Processing: Saturday 24.07.2024						
# Name ^	Total	Have you ever used Word or any other	I can write a simple word document	I can use simple format commands in	I know how to create a table in Word	I believe that Word processing is
Class Average		Survey	Survey	Survey	Survey	Survey
1 SDE						
Guest 2						
Guest 3						
Guest 4						
Guest 5						
Guest 6						
Guest 7						
Guest 8						
Guest 9						
Guest 10						
Guest 11						
Guest 12						
Guest 13						
Guest 14						
Guest 15						
Guest 16						
Guest 17						
Guest 18						
Guest 19						
Guest 20						
Guest 21						
Guest 22						

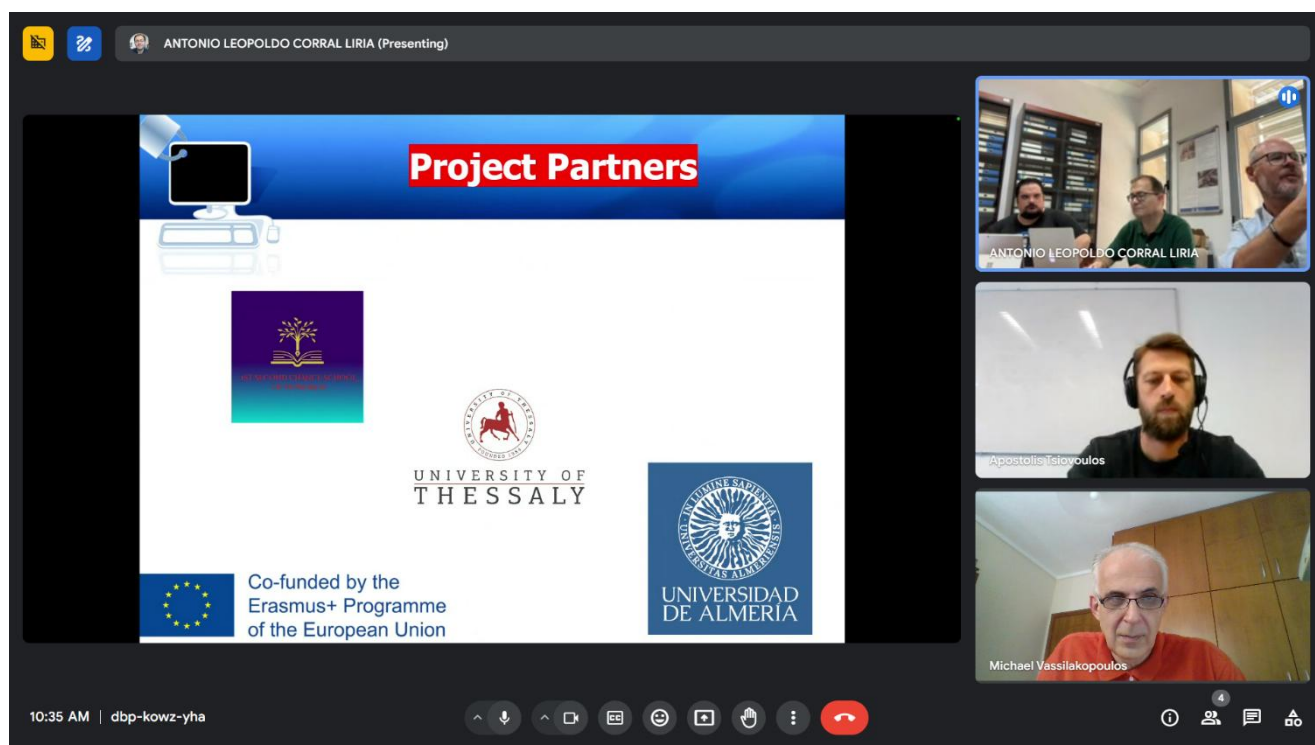
5. Conclusions – Further Steps

The consortium has gathered all results from the questionnaires by the end of February 2024. The survey conducted has given a mixed view for the background of the imprisoned learners in basic computing staff and their programming skills. The analysis of the results turned out to be a difficult task.

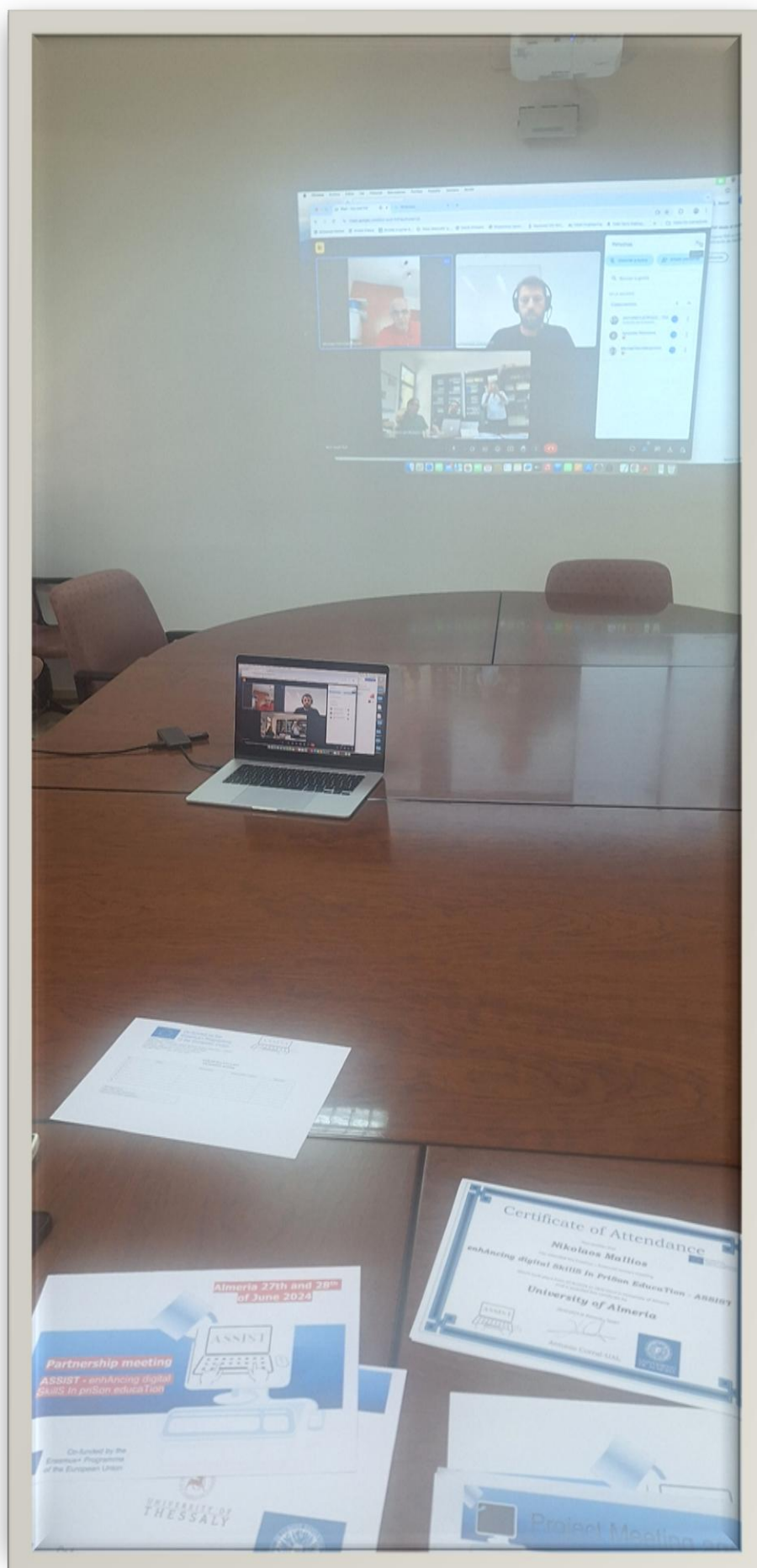
For that reason, the partners of the consortium decided to have an in-person meeting that will take place in Almeria in the following months, in order to analyze the results, specify the needs of the learners and implement more accurately the overall material for the courses that will be taught inside the school's premises.

This survey is updated to v2.0 after the meeting that took place in the premises of the University of Almeria at 27/6/2024 and 28/6/2024.

Below there are photos that were taken during the meeting.







During the meeting, that took place in a hybrid mode, the consortium took some important decisions for the viability of the project and the overall material that should be implemented for the next months of the projects.

Those decisions were:

- To ask for a small (2-months) extension of activity 3, in order for the material to be fully prepared. The coordinator asked for this extension officially the designated person responsible for the project's implementation in the Greek National Agency (IKY).
- To implement the material in 3 languages (English, Greek and Spanish) in order to pertain to the continuation and sustainability of the material which will be uploaded to EPAL platform, the project's website and the mobility tool of the project.
- To implement 8 lessons for Basic Computing, 8 lessons for Word processing and 8 lessons for Python programming.

The latter decision was taken in accordance to the provided answers and the analysis that was performed by the members of the consortium's members.

6. References

<https://europa.eu/europass/digitalskills/screen/questionnaire/generic>

<https://www.beconnectednetwork.org.au/resources/digital-skills-questionnaire>

<https://www.lse.ac.uk/media-and-communications/assets/documents/research/projects/digital/DSI-questionnaire.pdf>

<https://www.startquestion.com/survey-ideas/survey-about-a-programming-competence-for-students/>

<https://www.aal-europe.eu/wp-content/uploads/2020/02/VINCI-Call-2017-DIGITAL-SKILLS-QUESTIONNAIRE-END-USERS.pdf>