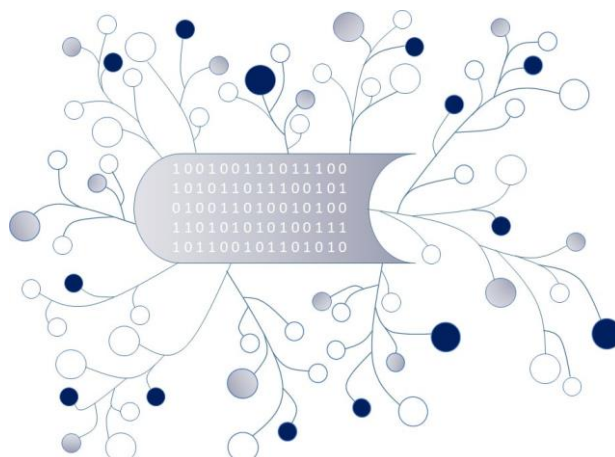




Digi-VET
Grant Agreement No.:
2018-1-DE02-KA202-005145
Testing Evaluation - Questionnaire document



Digi-VET
Fostering Digitization and Industry 4.0 in vocational education
2018-1-DE02-KA202-005145

Questionnaire for Digi-VET

May 2019
UPB – Marc Beutner

Project Title

Digi-VET

Reference Number

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Dear Participant,

We are very happy that you take your time to complete this questionnaire about digitisation and industry 4.0. In the ERASMUS+ project DiGI-VET we are focusing on new developments in digitisation within the European union and its member states. The core idea is to get information on the current situation, on challenges and changes as well as on future perspectives. Therefore, it is important to get an impression how people in the countries of Europe think about this field and the developments in it.

So, it is interesting to get information how you think about these aspects.

Here are some orientations:

General instructions for completing the questionnaire:

This questionnaire consists of a quantitative and qualitative parts and addresses three thematic sections:

- General information
- Estimations about digitisation and industry 4.0
- Opportunities and Challenges

To handle all questions, you need approximately 15 minutes.

All your information will be analysed and evaluated completely anonymously.

For any further questions we are at your disposal. You can reach us via our email address:

Marc.Beutner@uni-paderborn.de



General Information

Gender – I am ...

Female	<input type="radio"/>
Male	<input type="radio"/>
Rather not say	<input type="radio"/>
Other / Diverse	<input type="radio"/>

Age

Below 20	<input type="radio"/>
21-30	<input type="radio"/>
31-40	<input type="radio"/>
41-50	<input type="radio"/>
51-60	<input type="radio"/>
Over 60	<input type="radio"/>

Status – I am ...

a trainer/teacher	<input type="radio"/>
a student/learner	<input type="radio"/>
a staff member of the Human Resources Management	<input type="radio"/>
a business/company owner	<input type="radio"/>
a VET-expert	<input type="radio"/>
an Educational and Career Counsellor	<input type="radio"/>
I am another type of educational expert	<input type="radio"/>
Other	<input type="radio"/>



Status – I am active ...

at a primary school	<input type="radio"/>
at a secondary school	<input type="radio"/>
at a vocational school	<input type="radio"/>
at a VET provider	<input type="radio"/>
at a university	<input type="radio"/>
at another educational institution	<input type="radio"/>
at a company	<input type="radio"/>
at the government	<input type="radio"/>
at a teacher association	<input type="radio"/>
at a chamber	<input type="radio"/>
at an employers association	<input type="radio"/>
at a trade union / employees association	<input type="radio"/>
Other	<input type="radio"/>

Estimations about digitization and industry 4.0

Do you agree to the following statements about definitions of digitisation

	strongly agree	agree	disagree	strongly disagree
Digitisation is the process of converting information into a digital (i.e. computer-readable) format.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is the process of converting economic processes from an analog to a digital way of work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is the process of digital change in society and the digital transformation which is recognized as the digital revolution.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation the digital modification of instruments and tools.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation means to compress data lossless or lossy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation means optimisation of Business processes using information technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Do you agree to the following statements about digitisation challenges.

	strongly agree	agree	disagree	strongly disagree
Digitisation is a process which challenges society.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges enterprises / company	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges everyone.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges teachers/trainers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges learners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges teachers/trainers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges politics.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is a process which challenges economy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you agree to the following statements about the essential focus of digitisation.

	strongly agree	agree	disagree	strongly disagree
Digitisation focusses essentially on data security and privacy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation focusses essentially on digital network infrastructure.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation focusses essentially on enhancing processes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation focusses essentially on collecting data.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation focusses essentially on offering information.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



2 Do you agree to the following statements about the persons or groups which have to handle digitisation?

	strongly agree	agree	disagree	strongly disagree
Digitisation is a process which has to be handled by learners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation process which has to be handled by VET-providers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is process which has to be handled by politicians.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is process which has to be handled by technical experts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is process which has to be handled by teachers and trainers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is process which has to be handled by staff members in companies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digitisation is process which has to be handled by business leaders.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you know the term Industry 4.0?

Yes	<input type="radio"/>
No	<input type="radio"/>

How important is digitisation today?

Rate with one cross on a scale from 1 to 10 (1 – unimportant to 10 – important)

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How important will be digitisation in five years?

Rate with one cross on a scale from 1 to 10 (1 – unimportant to 10 – important)

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



How important is the change concerning industry 4.0 today?

Rate with one cross on a scale from 1 to 10 (1 – unimportant to 10 – important)

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How important will be the change concerning industry 4.0 in five years?

Rate with one cross on a scale from 1 to 10 (1 – unimportant to 10 – important)

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which skills and competences are important for the digital change in society / industry 4.0?

	very important	important	less important	unimportant
Social competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicative competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Methodological competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Process-related competences				
Research-related competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subject specific competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practice-related competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managerial competences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, please specify:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Which skills are important for the digital change in society / industry 4.0?

	very important	important	less important	unimportant
Basic IT skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep IT skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organisational skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Applying theoretical knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self-awareness and self-management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leadership skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Team working skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Planning skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implementation skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evaluation skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implementation skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ethical skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Self-awareness and self-management skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Problem solving skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Decision Making skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data analysis skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flexibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Patience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, please specify:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Tell us your opinion:
Currently, digitization is ...

important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	unimportant
interesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	uninteresting
motivating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	demotivating
fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	boring
innovative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	old-fashioned
helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	not helpful
useful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	useless
necessary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	unnecessary
easy to use in teaching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	hard to use in teaching
easy to use in learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	hard to use in learning

Tell us your opinion:
In five year, digitization will be ...

important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	unimportant
interesting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	uninteresting
motivating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	demotivating
fun	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	boring
innovative	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	old-fashioned
helpful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	not helpful
useful	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	useless
necessary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	unnecessary
easy to use in teaching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	hard to use in teaching
easy to use in learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	hard to use in learning



Should VET teachers and VET trainers support their students with digitisation to foster their learning processes?

Yes	<input type="radio"/>
Rather yes	<input type="radio"/>
Rather no	<input type="radio"/>
No	<input type="radio"/>

Opportunities and Challenges

What are the opportunities of about digitisation and Industry 4.0?

Opportunities of digitisation

Opportunities of industry 4.0

What are the challenges of digitisation and Industry 4.0?

Challenges of digitization

Challenges of industry 4.0

Do you want to provide other comments on the topic?