

EDU-VET

1st Internal Evaluation Report

- Project Title:** E-Learning, Digitisation and Units for Learning at VET schools – Creating online Learning Environments in Technical Education for European metal industry
- Acronym:** EDU-VET
- Reference number:** 2019-1-DE02-KA202-006068
- Project partners:**
- P1 University Paderborn (UPB), DE
 - P2 Ingenious Knowledge GmbH (IK), DE
 - P3 Berufskolleg Bocholt-West (BKBW), DE
 - P4 Lancaster and Morecambe College (LMC), UK
 - P5 Centro Integrado de Formación Profesional Someso (CIFP), ES
 - P6 Stichting BE Oost-Gelderland (SBEOG), NL

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1. Setting of the testing and target group

This report represents the 1st Internal Evaluation for the international Erasmus+ - project EDU-VET (E-Learning, Digitisation and Units for Learning at VET schools – Creating online Learning Environments in Technical Education for European metal industry).

The Internal Evaluation was conducted from the 25th of March to the 8th of April 2020 with the online tool Survey Monkey. The survey was divided in one part and asked with seven questions for the EDU-VET project process. The survey persisted of open and closed questions. Five participants were from Germany, UK, Spain and the Netherlands.

Following you will get detailed insights in the survey results of the project.

2. Quantitative data

Question 1:

As you can see in table 1, all participants think that the project will match the needs of the target groups completely.

Evaluated aspect N=5	Yes, completely.	Yes, in most aspects.	No, there are some parts missing.	Σ
In general: Do you think that the project will match/ serve the needs of the target groups?	5 (100,00 %)	0 (0,00 %)	0 (0,00 %)	5

Table 1: Evaluation result – Question 1

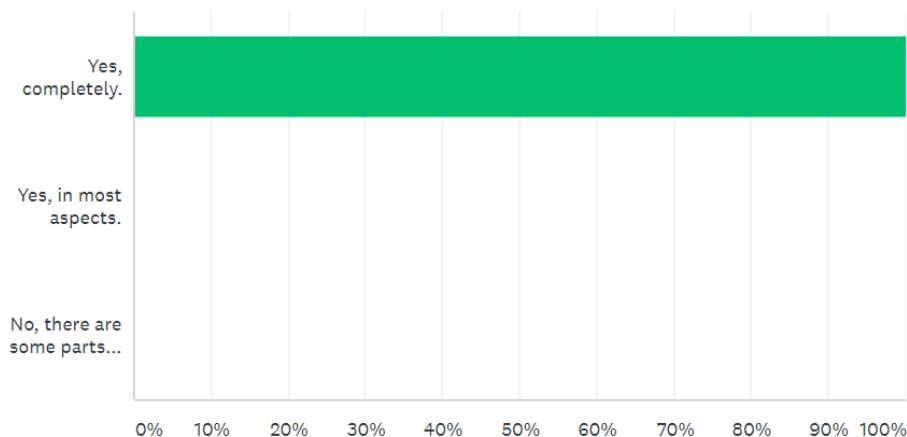


Figure 1: Evaluation result – Question 1

Question 2:

According to question 2, all participants rate their answers on a scale of 1 to 5, where 1 means 'not fruitful' and 5 associates 'very fruitful'. The majority of respondents find the meetings fruitful. More than 80,00 % even say that the meetings are very fruitful for the project. The weighted average is 4,8.

Evaluated aspect N=5	1	2	3	4	5	Σ
Up to now- Do you think the project meetings were fruitful? (the more stars = the more fruitful)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	1 (20,00 %)	4 (80,00 %)	5

Table 2: Evaluation result – Question 2

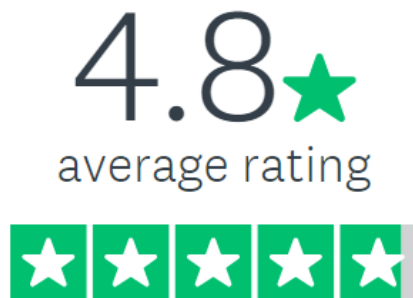


Figure 2: Evaluation result – Question 2 – Average rating

Question 3:

Table 3 illustrates the evaluated aspect of the relevance and necessity of the EDU-VET topic. The participants should rate this statement on a scale of 1 to 5, where 1 is 'not at all' and 5 is 'completely'. 80,00 % think that the EDU-VET project is completely relevant and needed. The remaining participants (20,00 %) have chosen the star 4, which means that they think that the project is relevant and needed. The weighted average is 4,8.

Evaluated aspect N=5	1	2	3	4	5	Σ
Based on your knowledge of Digitisation and E-Learning at schools in your country, please rate the following statements on a scale of 1 to 5, where 1 is not at all and 5 is completely. The EDU-VET project is relevant and needed...	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	1 (20,00 %)	4 (80,00 %)	5

Table 3: Evaluation result – Question 3

4.8★
average rating



Figure 3: Evaluation result – Question 3 – Average rating

Question 4:

The next question 4 intends to the project objectives in general. The first evaluated aspect relates to the necessity to improve the education system with innovative knowledge and ways of learning and teaching to meet the challenges of Digitisation and E-Learning, especially in the metal sector. All participants totally agree.

The following aspect ask about need for creating new teaching and learning environments. The evaluation shows that also 100,00 % totally agree.

The next aspect of question 4 concentrates the new situation for teachers, because they have to provide the learnings with new learning scenarios, which have to be created. As you can see in table 4, more than 80,00 % totally agree and also 20,00 % agree in this aspect.

Four participants answered the next item “EDU-VET has a strong focus on creating awareness to provide a first step towards new approaches in VET”. At this point 100,00 % totally agree.

Besides, the next questions focusses the creating awareness to provide a first step towards new approaches in VET according to the EDU-VET project. As figure 4 shows, the majority of 80,00 % totally agree and 20,00 % agree.

According to the objective that EDU-VET fosters digital competences in the VET sector, you see that 60,00 % totally agree, the remaining persons agree with the statement.

The last item focusses on the creation of online courses in a learning platform and supports the use of digital technologies within learning in the metal sector and reduces or removes barriers to education. At this point the majority of 80,00 % vote with the highest valuation (=totally agree).

Evaluated aspect N=5 In relation to this project, which aspects do you agree?	I totally agree	I agree	N/A	I disagree	I totally disagree	Σ
It is necessary to improve the education system with innovative knowledge and ways of learning and teaching to meet the challenges of Digitisation and E-Learning, especially in the metal sector.	5 (100,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5
The VET schools in the metal sector have a need for creating new teaching and learning environments.	5 (100,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5
The teachers have to face the new situation and they have to provide the learnings with new learning scenarios, which have to be created.	4 (80,00 %)	1 (20,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5
EDU-VET has a strong focus on creating awareness to provide a first step towards new approaches in VET.	4 (100,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	4
The project addresses the challenges of the rapidly changing environment in economy and transfer this into pedagogical settings.	4 (80,00 %)	1 (20,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5
The project will foster digital competences in the VET sector.	3 (60,00 %)	2 (40,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5
EDU-VET focusses on the creation of online courses in a learning platform and supports the use of digital technologies within learning in the metal sector and reduces or removes barriers to education.	4 (80,00 %)	1 (20,00 %)	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	5

Table 4: Evaluation result – Question 4

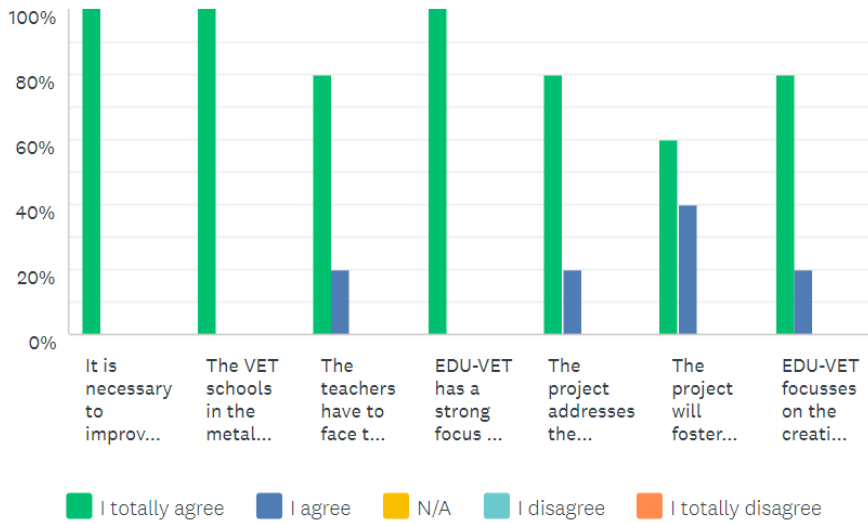


Figure 4: Evaluation result – Question 4

Question 7:

Question 7 is the last one according to the quantitative results report. This question focuses the satisfaction of the collaboration among the project partners. Here the participants also have to rate on a scale from 1 (not really happy) to 5 (very happy). The results illustrate that nearly 20,00 % of the project partners are very happy and 60,00 % are happy regarding the collaboration among all partners. The weighted average is 4,4.

Evaluated aspect N=5	1	2	3	4	5	Σ
How happy are you with the collaboration among the project partners?	0 (0,00 %)	0 (0,00 %)	0 (0,00 %)	3 (60,00 %)	2 (20,00 %)	5

Table 5: Evaluation result – Question 7

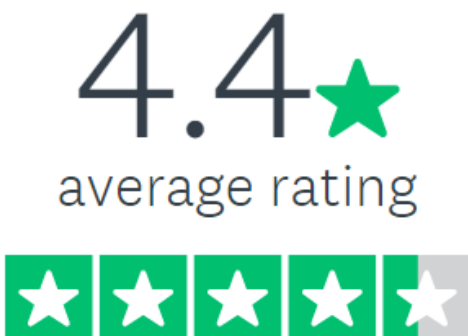


Figure 5: Evaluation result – Question 7 – Average rating

3. Qualitative data

This part presents the results of the qualitative data that includes question 5 and question 6. Following you will get detailed insights into these results of these questions.

Question 5:

Question 5 focuses the dissemination activities and asks which channels for the dissemination are used. In total, there are 5 answers.

Almost all participants post news via social media. Here, Facebook is a popular channel for dissemination activities. Moreover, the partners create a website to present themselves online or use the existing school website. The majority of the project partners prefer the creation of posters and. Besides, face-to-face meetings and bulletin boards at VET schools are also popular dissemination tools. Finally, some partners use conferences to disseminate their project results.

Up to this point. What tools were used for dissemination and exploitation and how were they used? Did you use further channels for the dissemination? N=5
<u>Answer 1:</u> Social Media, bulletin board at school, flyer, poste
<u>Answer 2:</u> Facebook, Website, Poster, flyer
<u>Answer 3:</u> Outside our institution, basicly, we have used social networks as Facebook to disseminate our involvement. We had planned face to face meetings with our partner companies making the most of the beginning of our metalworking students' mandatory professional placements, but the emergency situation that we are living now has forced to delay it.
<u>Answer 4:</u> Infos posted on the schools homepage; local presentation with posters and flyers within school building during "Eltern und Ausbildersprechttag"; presentation held during MoodleTreff 2020 conference.
<u>Answer 5:</u> Facebook, Website, Flyer, Poster

Table 6: Evaluation result – Question 5

Question 6:

Question 6 asks for the expectations from further project activities (e.g. writing handbook, creating tasks for modules, skype meetings, dissemination activities etc.). In total, five participants give an answer.

The majority expect that the project team is able to build a useful online learning tool for learners from the metal sector. Regarding the corona crises, most participants think that the project will run successful. Moreover, the partners expect additional skype meetings to talk about project issues and improve the collaboration between the team. As you can see in the table above, dissemination activities needs to be intensified. Finally, most partners aim for a structures handbook.

What do you expect from further project activities (e.g. writing handbook, creating tasks for modules, skype meetings, dissemination activities etc.)? N=5
<u>Answer 1:</u> Writing handbook, Skype meetings weithin corona crises
<u>Answer 2:</u> We do believe in this project, in its potential; therefore, we expect all the partners do our best to build an useful tool for VET about metalworking. All these activities are essential parts of the whole task we are carrying out that deal with all the issues we have to take into account in order to be succesful.
<u>Answer 3:</u> As from my point of view we are having an excellent project plan with a concise workflow description which we should try to follow as good as possible under the given corona constraints
<u>Answer 4:</u> Writing handbook, skype meeting, more disseminations activities
<u>Answer 5:</u> More dissemination activities, good collaboration

Table 7: Evaluation result – Question 6

4. Summary

The results of the 1st Internal Evaluation shows clearly that the project process of EDU-VET proceeded successful as positive for all project partners. The partners show a high satisfaction with the collaboration among the EDU-VET project. Moreover, all partners intend following project objectives:

- Improvement of the education system with innovative knowledge and ways of learning and teaching to meet the challenges of Digitisation and E-Learning, especially in the metal sector;
- Necessity of creating new teaching and learning environments at VET school;
- Development of new online learning scenarios;
- Creating awareness to provide a first step towards new approaches in VET;
- Fostering digital competences in the VET sector;
- Focus on the creation of online courses in a learning platform and support of the use of digital technologies within learning in the metal sector
- Reduction of barriers to education.

Besides, the project partners are satisfied with their dissemination activities. In this context, they prefer following dissemination channels:

- Social Media (Facebook, ...)
- Face-to-face activities (Presentations, conferences, meetings with partner companies...)
- Internet-based activities (Project website, school website,...)
- Paper-based activities (Posters, flyer, bulletin board at schools,...)
- Project performance-based activities (Project website, survey evaluations...)

In summary, all partners look forward to the project issues. The team is confident that the project can be successfully completed despite the corona crisis.