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***DigI-VET***

***Fostering Digitization and Industry 4.0 in vocational education***

***2018-1-DE02-KA202-005145***

**Questionnaire for  
DigI-VET**

*May 2019*

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*Project Title DigI-VET*

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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](mailto:Marc.Beutner@uni-paderborn.de) |

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| --- |
| **General Information** |

|  |  |
| --- | --- |
|  | **Gender – I am …** |

|  |  |
| --- | --- |
| Female | ⭘ |
| Male | ⭘ |
| Rather not say | ⭘ |
| Other / Diverse | ⭘ |

|  |  |
| --- | --- |
|  | **Age** |

|  |  |
| --- | --- |
| Below 20 | ⭘ |
| 21-30 | ⭘ |
| 31-40 | ⭘ |
| 41-50 | ⭘ |
| 51-60 | ⭘ |
| Over 60 | ⭘ |

|  |  |
| --- | --- |
|  | **Status – I am …** |

|  |  |
| --- | --- |
| a trainer/teacher | ⭘ |
| a student/learner | ⭘ |
| a staff member of the Human Resources Management | ⭘ |
| a business/company owner | ⭘ |
| a VET-expert | ⭘ |
| an Educational and Career Counsellor | ⭘ |
| I am another type of educational expert | ⭘ |
| Other | ⭘ |

|  |  |
| --- | --- |
|  | **Status – I am active …** |

|  |  |
| --- | --- |
| at a primary school | ⭘ |
| at a secondary school | ⭘ |
| at a vocational school | ⭘ |
| at a VET provider | ⭘ |
| at a university | ⭘ |
| at another educational institution | ⭘ |
| at a company | ⭘ |
| at the government | ⭘ |
| at a teacher association | ⭘ |
| at a chamber | ⭘ |
| at an employers association | ⭘ |
| at a trade union / employees association | ⭘ |
| Other | ⭘ |

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| --- |
| **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. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is the process of converting economic processes from an analog to a digital way of work. | ⭘ | ⭘ | ⭘ | ⭘2 |
| Digitisation is the process of digital change in society and the digital transformation which is recognized as the digital revolution. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation the digital modification of instruments and tools. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation means to compress data lossless or lossy. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation means optimisation of  Business processes using information technology. | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | Do you agree to the following statements about digitisation challenges. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | strongly  agree | agree | disagree | strongly disagree |
| Digitisation is a process which challenges society. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges enterprises / company | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges everyone. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges teachers/trainers | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges learners. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges VET trainers. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges politics. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is a process which challenges economy. | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | 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. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation focusses essentially on digital network infrastructure. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation focusses essentially on enhancing processes. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation focusses essentially on collecting data. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation focusses essentially on offering information. | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | 2Do 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. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation process which has to be handled by VET-providers. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is process which has to be handled by politicians. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is process which has to be handled by technical experts. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is process which has to be handled by teachers and trainers. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is process which has to be handled by staff members in companies. | ⭘ | ⭘ | ⭘ | ⭘ |
| Digitisation is process which has to be handled by business leaders. | ⭘ | ⭘ | ⭘ | ⭘ |

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| --- | --- |
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|  |  |
| --- | --- |
| Yes | ⭘ |
| No | ⭘ |

|  |  |
| --- | --- |
|  | **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** |
| ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | **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** |
| ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | **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** |
| ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ |

|  |  |
| --- | --- |
|  | **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** |
| ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | very  important | important | less important | unimportant |
| Social competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Communicative competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Methodological competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Process-related competences |  |  |  |  |
| Research-related competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Subject specific competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Practice-related competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Managerial competences | ⭘ | ⭘ | ⭘ | ⭘ |
| Other, please specify: | ⭘ | ⭘ | ⭘ | ⭘ |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | very  important | important | less important | unimportant |
| Basic IT skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Deep IT skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Technical skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Organisational skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Applying theoretical knowledge | ⭘ | ⭘ | ⭘ | ⭘ |
| Self-awareness skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Leadership skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Team working skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Planning skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Implementation skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Evaluation skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Implementation skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Ethical skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Self-management skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Problem solving skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Decision Making skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Data analysis skills | ⭘ | ⭘ | ⭘ | ⭘ |
| Flexibility | ⭘ | ⭘ | ⭘ | ⭘ |
| Patience | ⭘ | ⭘ | ⭘ | ⭘ |
| Other, please specify: | ⭘ | ⭘ | ⭘ | ⭘ |

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| --- | --- |
|  | **Tell us your opinion: Currently, digitization is …** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| important | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | unimportant |
| interesting | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | uninteresting |
| motivating | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | demotivating |
| fun | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | boring |
| innovative | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | old-fashioned |
| helpful | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | not helpful |
| useful | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | useless |
| necessary | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | unnecessary |
| easy to use in teaching | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | hard to use in teaching |
| easy to use in learning | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | hard to use in learning |

|  |  |
| --- | --- |
|  | **Tell us your opinion: In five year, digitization will be …** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| important | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | unimportant |
| interesting | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | uninteresting |
| motivating | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | demotivating |
| fun | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | boring |
| innovative | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | old-fashioned |
| helpful | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | not helpful |
| useful | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | useless |
| necessary | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | unnecessary |
| easy to use in teaching | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | hard to use in teaching |
| easy to use in learning | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | ⭘ | hard to use in learning |

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

|  |  |
| --- | --- |
| Yes | ⭘ |
| Rather yes | ⭘ |
| Rather no | ⭘ |
| No | ⭘ |

|  |
| --- |
| **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?** |

|  |
| --- |
|  |