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ERASMUS+ STRATEGIC PARTNERSHIP PROJECT'S  
“LET'S UNIFY IT” NO. 2015-1-LT01-KA202-013479  
EVALUATION OF “ICT SPECIALIST” EDUCATIONAL  
PROGRAMME



July 3rd, 2017  
Vilnius, Lithuania

Number of tested modules: 12 (out of 19)

Number of respondents (students): 137

| Tested modules:                    | Country            | Respondents | Strongly agree or agree | Strengths   | Weaknesses  | Suggestions  |
|------------------------------------|--------------------|-------------|-------------------------|---|---|--|
| Hardware and peripheral devices    | Poland, Lithuania  | 36          | 80%                     | Overall, students were satisfied with the content of the module, many agreed that content fulfilled their expectations and was logically developed  | However, some students pointed out that the speed was too fast to learn everything and that they lacked material for independent learning.  | Students suggested to remove some too detailed content and update it. Also, there should be more practical exercises as well as handbooks in native language not only in English.  |
| Computer logics                    | Latvia             | 20          | 99%                     | Overall, students were satisfied with the content of the module, most of them agreed that they acquired necessary competences for professional career.  | A little bit more than half students expressed their opinion that the speed of the module was too fast.   | Students suggested to make more practical lessons and have more learning material in native language.  |
| Programming algorithms and methods | Latvia             | 20          | 97%                     | Overall, students were satisfied with the content of the module, most of them agreed that all learning outcomes were achieved and that they acquired necessary competences for professional career.   | A little bit more than half students expressed their opinion that the speed of the module was too fast.   | In order to succeed, students need to have better programming language knowledge before as well as programm development.   |
| Classical programming languages    | Estonia, Lithuania | 33          | 62%                     | Overall, most of Estonian students said that the module fulfilled their expectation and that the content was logically developed including all necessary aspects. Most of Lithuanian students agreed that the module fulfilled their expectations and that they had enough material for independent learning. | However, many Estonian students stayed neutral or expressed their disagreement regarding the length of the module and material for independent learning. Meanwhile, At least 5 Lithuanian students said that not all learning outcomes were achieved, however, it wasn't specified in the comments. Some students disagreed that the speed of module was appropriate. | Students suggested to intensify the module as it was rather easy and too much time spent for some topics. Also, students expressed their wish to have more material for studying. Students faced difficulties with the learning equipment as computers were rather slow. |

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| Databases              | Portugal            | 20 | 95% | Most students were generally satisfied with the content and agreed that all learning outcomes were achieved. Moreover, 65% of students strongly believe that their acquired all necessary competences for their professional career.  | Some students faced difficulties working with Mysql Syntax and Model ER.  | Students said that they need more exercises and examples.  |
| Software               | Portugal, Lithuania | 38 | 85% | Most students were generally satisfied with the content. Moreover, 65% of Portugal students strongly believe that their acquired all necessary competences for their professional career and 75% of Lithuanian students pointed out that the content fulfilled their expectations.  | Students faced difficulties with document sharing with permission, some students said that it was difficult to understand some parts, however, many students commented that it was really easy.   | Some students suggested to use more video tutorials or documentaries to facilitate the understanding. „Acces“ is needed.   |
| Web design             | Portugal, Lithuania | 38 | 82% | Overall, most of Portugal students were satisfied with the content and agreed that the content of the module was logically developed and included all necessary aspects. Lithuanian students pointed out that they had enough material to learn the module. At least one student said that it was the most interesting module he/she had. | Around 20 % of Lithuanian students said that they do not entirely agree that they gained all necessary competences for professional career and that not all learning outcomes were achieved. Also, students faced difficulties to create website, applying syntax css, tags and insert online pictures. | Students suggested to use more video tutorials and spend more time on learning the material. More examples also is needed. It would be useful to buy actual domain and put website to run. |
| Operating systems      | Lithuania           | 18 | 72% | Most students were generally satisfied with the content, many agreed that content fulfilled their expectations and that they achieved all learning outcomes.  | However, some students said that they did not have enough of learning material and that the length of the module was not appropriate. Practical part with online microsoft virtual machines was really intensive, hard to catch up with.  | More attention should be paid to network administration problems, configurations, working with printers and etc. real-work situations.   |
| Project management     | Latvia              | 20 | 98% | Overall, students were satisfied with the content of the module, most of them agreed that the content of the module fulfilled their expectations.   | The students did not agree that the length was appropriate.   | There should be more material in native language and there should be more time to learn everything.  |
| Entrepreneurial skills | Spain               | 18 | 96% | Overall, students were satisfied with the content of the module   | However, students do not agree that everything was needed.  | The students consider that the contents are quite fine but we should make an effort to make the subject more practical and try to make them aware of the relevance and usefulness of laws. |

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| Technical Project | Portugal, Spain | 39 | 94% | Overall, most of the students were satisfied with the content and agreed that the content of the module fulfilled their expectations. | Less student were confident that they acquired all necessary competences for their professional career. It was rather challenging to host project, create domain and work with Syntax php. | The students have found it difficult to find information in several businesses. Some of them are reluctant to share it with internship students. We have to work harder to make the businesses aware of the relevance of their help. Students need more time and video tutorials are very useful.  |
| Internships       | Spain           | 9  | 76% | We consider that this is a high value and therefore we can say that the contents are fine for most students                           | We think that the 15% of dissatisfied students is aligned with business mismatch.  | Due to the nature of our business context, and the huge unemployment rates, we look for businesses for our students' internships. There is not much to choose from. Some of them don't suit exactly to the students' desires. We hope that Erasmus+ internships help to mitigate this problem. Main difficulties are the mismatch of the current studies with the business requirements, specially related to security and advanced programming. |

Results are provided by:

- Vilniaus geležinkelio transporto ir verslo paslaugų mokykla, Lithuania
- AEVA, Portugal
- Tallinna Polütehnikum, Estonia
- Zespół Szkół nr 5 im. Karola Brzostowskiego, Poland
- IES LA SENIA, Spain
- Profesionalas izglītības kompetences centrs "Daugavpils tehnikums", Latvia

Analysis finalized by:

- Renata Donauskytė, Project Manager
- Vilniaus geležinkelio transporto ir verslo paslaugų mokykla, Lithuania
- Email: projektai@vgtvpm.lt