

WP4 QUALITY PLAN

QCM report no.4

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REVISION SHEET

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1 Executive Summary

The purpose of this report is to provide an objective assessment from the project's point of view of the progress and achievements of the project during its duration, and, in particular, to identify any improvements and adjustments that should be considered for subsequent periods.

The evaluation period refers from April to September 2019 and include the partners representatives' feedbacks accordingly to the project processes ongoing, the fourth QCMB meeting and the evaluations for the outcomes within the mentioned period.

2 Introduction

The purpose for internal quality monitoring and control is to validate that the project deliverables are completed with an acceptable level of quality and to assures that project's processes can properly create these deliverables.

For this report, there were taken in account:

- QCMP, versions 4/3.12.2018 and 5/09.07.2019;
- PMCP, version 2/12.04.2019;
- reports submitted by the WP Leaders in the fourth meeting held in Czestochowa, Poland in June 2019;
- Evaluation criteria identification form completed for the tasks ongoing or that are starting in the appropriate future.
- Three QCM reports submitted by QCM team;
- project's results.

3 Process-evaluation

There have been submitted three reports for internal quality control and monitoring of the project progress. The reports involves the time period between march and april 2019, may and june 2019, july- august 2019.

During the meeting held at Częstochowa University of Technology, there were presented WP's reports with the status of their tasks and deliverables .

There were registered delays with WP2, due to the delay of WP1 outcomes, but the WP2 Leader is confident that those will be overcome by the end of the project. There were registered delays also within WP4, task 4.3, due to the fact the auditor report was lacking the quality required, and so it was insufficient for a purpose. Another selection process for auditor was held between 5 and 6 august, with selecting the candidate Prof. Ružica R. NIKOLIĆ. The on-site audit was established for October 21-25, 2019. More information can be found in Report on Task 4.3 from 30.09.

4 Product-evaluation

During April to September 2019, there were submitted for quality assessment the qualification of the potential quality auditors according to the selection criteria established within Task 4.3:

- February 27, 2019, Mr. Guiseppe D'Angelo was voted the most qualified candidate and was nominated by QCMB to be approved as an auditor, from a 4 potential candidates;

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- April 9-12, 2019, due to communication issues between project members and the selected auditor, another selection held place, with having Assoc. Prof. Tan Kay Chuan as selected candidate from 3 potentials candidates;
- June 17, 2019 the first audit report submitted by the auditor was rejected due to quality aspects.
- August 6, 2019, another auditor selection took place, with Prof. Ružica R. NIKOLIĆ as selected candidate.

The VClass online learning platform developed at AIT was initially tested with 3 regular courses of ISE program at AIT, i.e., AT72.03 Statistical Models & Design of Experiments (August Semester, 2018 & August Semester, 2019), AT72.08 Stochastic Decision Models (January Semester, 2019), and AT72.05 Quality Control and management (August Semester, 2019).

5 Evaluation of the project impact

Public seminars were held at Częstochowa University of Technology, Academia offer for business, industrial visit at SGP group in June 2019. The feedback of the participants was collected from 24 participants through the Event Evaluation form, resulting with 3.5 mean of maximum 5. The results indicated that the event was well organized, the participants' collaboration was efficient, and discussions reached the desired quality. The most frequent complaint was related to the length of the event. So, measures in this direction should be envisaged in the future.

Also, the project members introduced the project through their keynotes during different conferences, such as *The 10th National Conference on Industrial Operations Development 2019* and *The 37th IE Network Conference 2019*; through participating on the *37th IE Network Conference 2019 PAEE/ALE' 2019 Conference* in Hammamet, Tunisia. Also the project results were diseminated through different universities, by meetings with students, teachers and management council at National Taipei Technology University (may 2019), Thammasat School of Engineering (july 2019), Czestochowa University of Technology (september 2019).

In june 2019, MSIE 4.0 appears in Bangkok Post website with the clip VDO under the title 'Preparing for the Future' - "Thai universities join hands in offering industrial engineering courses to prepare the country for the so-called Industry 4.0." - Jetjaras Na Ranong.

In july 2019, the participation of the MSIE 4.0 consortium at the 13th International Conference Quality Production Improvement (QPI 2019) at Zaborze, Poland, and the 4th MSIE 4.0 Regular Meeting at Częstochowa University of Technology were reported on the CUT's quarterly newsletter Politechnika Częstochowa Magaine, under the title "Spotkanie w ramach projektu MSIE 4.0 programu CBHE-KA2 Erasmus+".

Six more papers were presented and published in internationals conference proceedings: "Course Design and Development: Focus on Student Learning Experience", "Curriculum Analysis Process: Analysing Industrial Engineering programs", "Roles of MSIE Graduates to Support Thailand Sustainable Smart Industry", "Industry 4.0 Competencies' Gap Analysis", "The Challenges of Industry 4.0 for Small and Medium Enterprises in Poland and Slovakia", "Spotkanie w ramach projektu MSIE 4.0 programu CBHE-KA2 Erasmus+".

By the september 2019, the project team members managed to produce 11 VDO clips for projects outcomes presentation, available an the official MSIE4.0 YouTube Channel.

6 Conclusions

The focus in the period evaluated was set in finalizing at the proper quality the outcomes for the WP2 and conducting the external quality audit process. Through a good planning of the WP Leaders, the projects can progress within the overall due times as established in the adjusted work plan - PMCP, version 2/12.04.2019.

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