**WP2– Sustainable Development of Industry 4.0 Competence Development Training Program**

**Task 2.1 Designing an Industry 4.0 Competence Development Training Program/ M.10 Data Analytics**

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| **Project Acronym:** | ReCap4.0 |
| **Project full title:** | Reinforcing Non-University Sector at the Tertiary Level in Engineering and Technology to Support Thailand Sustainable Smart Industry |
| **Project No.:** | 619325-EPP-1-2020-1-TH-EPPKA2-CBHE-JP |
| **Work Package N° and title** |

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| WP2-Task 2.1 Designing an Industry 4.0 Competence Development Training Program |

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| **WP Leader**  | Pisut Koomsap (AIT) and Cathal de Paor (MIC) |
| **Deliverable (Task) N°/Title**  |

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| Task 2.1 Designing an Industry 4.0 Competence Development Training Program /M.10 Data Analytics |

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| **Author responsible for the Deliverable**  | Pisut Koomsap (AIT)  |
| **Date of Deliverable submission**  | 20.01.2022 |
| **Status:** | Final |
| **Dissemination Level:** | Internal |

**Revision Sheet**

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| --- | --- | --- | --- |
|  **Version** | **Date** | **Author (Partner/Person)** | **The revision reason** |
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**5Assessment of Deliverables**

**Adequacy with the format**

Mark with X the appropriate column (Y: Yes - N: No - NA: Not applicable)

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| **Format** | **Y** | **N** | **NA** | **Comments** |
| **Does the document meet the commitments from Application Form? *(answer with Y/ N only)*** | X [ P5; P7] |  | X [P2; P4; P6; P8] |  |
| **Does the document contain:** **WP number, Deliverable name, Version, Author Name and Date?** | X [P6] |  | X [P2; P4; P5; P7; P8] |  |
| **Does the document contain all the necessary official logos of the project and the program?** | X |  |  |  |
| **Does the document include a Table of Contents?** | X [ P2] |  | X [ P4; P5; P6; P7; P8] |  |
| **Does the document include a list of participants and reviewers (approvals)?** |  |  | X |  |
| **Does the document use the fonts and paragraphs defined in the official template?** | X [ P5] |  | X [ P2; P4; P6; P7; P8] |  |
| **Does the spelling, grammar etc. of the document is appropriate?** | X [ P5; P6; P7; P8] |  | X [P2; P4] |  |

**Quality evaluation**

The following scores will be utilized in the delivery review; 1-Poor;2-Average;3-Satisfactory;4-Good;5-Very Good

Mark with X the appropriate column:

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Question** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **P8** | **Total** | **Score** | **Comments** |
| **How deliverable comply with the WP objectives as specified in the WP description?**  |  | 5 |  | 5 | 5 | 5 | 5 | 5 | 30 | 5 | Very Good |
| **How deliverable correspond with the activity description as specified in the Application Form?**  |  | 5 |  | 5 | 5 | 5 | 5 | 5 | 20 | 5 | Very Good |
| **The clarity of the contents of the document is evaluated as…** |  | 5 |  | 4 | 5 | 5 | 5 | 4 | 28 | 4,66 | Good[P8] **Some slides on D3 are a little bit dense.** |
| **How is the treatment of the contents of the document regarding the required depth?** |  | 5 |  | 5 | 5 | 5 | 5 | 5 | 30 |  | Very Good |
| **The quality of the contents of the document is evaluated as** |  | 5 |  | 5 | 2 | 5 | 5 | 5 | 27 | 4,5 | GoodP5. **- Add Rubrics for Competence Assessment.****- Module Learning Outcomes are not consistent to Course Learning Outcomes** |
| **Does the document need the addition of sections to reach completeness (Yes/No)? Specify which ones** | No [P8] **Please see observations below concerning D1 and D3** |
| **Are there any sections in the document that should be removed (Yes/No)?** **Specify which ones** | No |

**Observations/ suggestions** (add rows as needed)

|  |  |  |  |
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| **Partner** | **Deliverable/Page No.** | **Section** | **Observations / Suggested Improvement** |
| P2 |  |  | Text  Description automatically generatedGraphical user interface  Description automatically generated with medium confidence**t has the different in word “ Logistics and Logistic” in the plan and the PPT** |
| P4 | **D1** | **Time distribution** | **At group project, 80 hours should be deleted, and 60 hours should be in black** |
| P4 | **D2 page 2** | **Day 4**  | **Logistics regression should be changed to logistic regression** |
| P4 | **D3,page 67** |  | **data should be in white for ease of reading**  |
| P4 | **D3** |  | **slide number should be applied for every page. It will be useful when someone want to refer to a particular page.** |
| P4 | **D3, page 118** | **KNN** | **More bullets could be applied on the second paragraph for ease of reading** |
| P4 | **D3, page 119** | **KNN** | **More bullets could be applied for ease of reading** |
| P5 | **D1** | **Objectives/Learning Outcomes** | **Learning Outcomes are not consistent with the Objectives. There are no learning outcomes in the Analyzing Level. How to achieve the Objective #2.** |
| P5 | **D1** | **Learning Activities** | **What are the “Short Lectures”?** |
| P5 | **D2** | **Outline of Training Activities** | **The topics are not cover the course syllabus.** |
| P5 | **D3** |  | **This course is more technical. Fifty hours of Training may not enough. The content should be selected according to the objectives and time of training.** |
| P5 | **D4** | **II** | **Module Learning Outcomes are not consistent to the Course Learning Outcomes.** |
| P5 | **D4** | **III, IV** | **The Assessment must consist of Rubrics.**  |
| P8 | **D1/2** |  | The title “Time Distribution and Study Load:” should move to next page. |
| P8 | **D1/3** |  | Missing review (60h instead of 80h) |
| P8 | **D3/1-24,****D3/84-111,****D3/112-240,****D3/241-286,****D3/287-320** | - | Eventually, a slide with the list of the major topics (agenda) could be included at the beginning of each module (as it is on slides 25 and 51). This will help attendees to see the “big picture”. |
| P8 | **D3/n.a.** | - | Slides are not numbered. Eventually, its inclusion would help if someone needs to refer to a particular slide. |

**Reviewers Assessment**

(Mark with X the appropriate line)

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| **Document accepted; no changes required** | **X [P6; P7]** |
| **Document accepted but changes required** | **X [P2; P3; P4; P5; P8]** |
| **Document not accepted; it must be reviewed after changes are implemented** |  |
| **Date of Review** |  |
| **Reviewer’s Name & Organization (from QCMB)** |  |

**QCMB Chair Consolidated Assessment**

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| --- | --- |
| **Document accepted; no changes required** |  |
| **Document accepted but changes required** | **X** |
| **Document not accepted; it must be reviewed after changes are implemented** |  |
| **Suggestions for improvement (if applicable)** | **Presented above in Observations/ Suggestions** |
| **Date of Quality assurance performed**  | **04.02.2022** |
| **Deadline for submission of amended version of deliverable (if applicable)**  |  |

**PEC Approval**

|  |  |
| --- | --- |
| **Document accepted; no changes required** |  |
| **Document accepted but changes required** |  |
| **Document not accepted; it must be reviewed after changes are implemented** |  |
| **Suggestions for improvement (if applicable)** |  |
| **Date of Quality assurance performed**  |  |
| **Deadline for submission of amended version of deliverable (if applicable)**  |  |