



## ERASMUS+ CBHE PROJECT

Reinforcing Non-University Sector at the Tertiary Level in  
Engineering and Technology to Support Thailand  
Sustainable Smart Industry - ReCap4.0

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# WP4 - Quality Control and Monitoring

## Quality Control and Monitoring Report (QCMR)

<b>Project Acronym:</b>	ReCap4.0
<b>Project full title:</b>	Reinforcing Non-University Sector at the Tertiary Level in Engineering and Technology to Support Thailand Sustainable Smart Industry
<b>Project No.:</b>	619325-EPP-1-2020-1-TH-EPPKA2-CBHE-JP
<b>Work Package N° and title</b>	4/Quality Control and Monitoring System
<b>WP Leader</b>	Andrei Szuder
<b>Deliverable (Task) N°/Title</b>	4.2./ Quality Control and Monitoring Report Template (QCMR)
<b>Author responsible for the Deliverable</b>	Andrei Szuder and Danaipong Chetchotsak
<b>Evaluation period</b>	22.08.2024-15.11.2024
<b>Date of Deliverable submission</b>	19.11.2024
<b>Status</b>	V1
<b>Dissemination level</b>	In conformity with the detailed description of the project, section H1

### Revision Sheet

Version	Date	Author (Partner/Person)	The revision reason



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Work Package	Task	Deliverables	Planned Start date (*)	Planned End date (*)	Actual Start date	Actual End date	Team members involved	Indicator(s)	Approaches, results	Status (open-draft/ on-going / done-final)	Observations, suggestions
WP2	2.1	Designing an Industry 4.0 Competence Development Training Program	Apr. 2021	Oct 2021	Apr. 2021		All team members	An Industry 4.0 Competence Development Training Program	The process for developing modules has been established	Completed	
WP2	2.2	Developing innovative training materials	Jun. 2021	Feb. 2022	Aug. 2021		All team members	Innovative training materials for 10 modules	Training materials for 10 courses	Completed	
WP2	2.3	Developing a capacity training assessment	May 2021	Jun. 2021	March, 2021		All team members	A capacity training assessment form	Competence assessment forms for 10 courses have been completed  The process for developing modules has been established.	Completed	
WP2	2.4	Training the Thai trainers	Jul. 2021	Jun. 2023	Feb. 2022		All team members	Training schedule	12 Thai trainers trained in program design (for higher education contexts), and in the use	Completed	



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									of innovative learner-centered teaching and assessment methods		
<b>WP2</b>	<b>2.5</b>	Coaching the Thai trainers	<b>Aug. 2021</b>	<b>Aug. 2023</b>	<b>March 2022</b>		<b>All team members</b>	Coaching schedule		Completed	
<b>WP2</b>	<b>2.6</b>	Assessing the Thai trainers	<b>Sep. 2021</b>	<b>August 2023</b>	<b>Not start yet</b>		<b>All team members</b>	Assessment form	An assessment report of the Thai trainer's competence in the use of knowledge and skills gained in higher education teaching	On-going.	
<b>WP2</b>	<b>2.7</b>	Setting up an Innovative Teaching and Learning Center for Thailand Sustainable Smart Industry	<b>Jan. 2023</b>	<b>Sept. 2023</b>	<b>Jan. 2023</b>		<b>All team members</b>	An Innovative Teaching and Learning Center for Thailand Sustainable Smart Industry		Completed . Learning centres have been established at AIT, Mahidol University, Prince of Songkla University, Khon Kaen University, and	



										Rajabhat University	
WP3	3.1	Developing capacity training execution plan	Feb 21	July 21	Feb 2021	-	KKU, MU, and PSU	The capacity training execution plan is ready by M4	<ul style="list-style-type: none"> <li>- Submitted the 1<sup>st</sup> draft of Deliverable 3.1 report to QCMB</li> <li>- Submitted a revised version of CTEP to PEC</li> </ul>	On-going	An official capacity training execution plan should be completed and announced as soon as possible
WP3	3.2	Conducting capacity training on Industry 4.0 competence development	Apr 21	Sept 23	Apr 21	-	AIT, KKU, M U, and PSU	Completion of the capacity training sessions by M31	<p>All Module have been conducted the training sessions.</p> <p>The details for each training sessions are reported in:</p> <ul style="list-style-type: none"> <li>- A ReCap 4.0 Training Status Report <a href="https://bit.ly/3vKOWq7">https://bit.ly/3vKOWq7</a></li> <li>- ReCap4.0 Facebook <a href="https://www.facebook.com/ReCap4Thailand">https://www.facebook.com/ReCap4Thailand</a></li> </ul>	On-going	The module 1, 5 and 6 have started the training sessions but not completed in all training centres. The training schedule



											have been set to complete in July 2024.
WP3	3.3	Coaching trained capacity	July 21	Oct 23	-	-	Thai partners	<ul style="list-style-type: none"> <li>• Completion of the capacity coaching sessions by M33</li> </ul>	<p>Module 2, 3, 7, 9 and 10 have been completed the coaching sessions.</p> <p>Module 4, and 8 have been conducting the coaching sessions.</p> <p>Module 1, 5 and 6 have not started the coaching sessions.</p> <p>The details for each training sessions are reported in:</p> <ul style="list-style-type: none"> <li>- A ReCap 4.0 Training Status Report <a href="https://bit.ly/3vKOwq7">https://bit.ly/3vKOwq7</a></li> <li>- ReCap4.0 Facebook <a href="https://www.facebook.com/ReCap4Thailand">https://www.facebook.com/ReCap4Thailand</a></li> </ul>	On-going	The coaching sessions of each module must be done as soon as possible to complete the task before the end of the project.



WP3	3.4	Assessing trained capacity	July 21	Oct 23	-	-	EU partners and AIT	<ul style="list-style-type: none"> <li>An assessment report on the trained capacity by M35</li> </ul>	<ul style="list-style-type: none"> <li>Monitor the training and coaching activities</li> <li>To monitor the activities, all trainers must report the status of each session to ReCap 4.0 Training Status Report <a href="https://bit.ly/3vKOwq7">https://bit.ly/3vKOwq7</a></li> <li>Assess the overall performance of the trainees after the completion of coaching sessions</li> <li>: Module 3 and 10 have submitted the trainee performance assessment.</li> </ul>	On-going	- Waiting for the end of the training and coaching sessions of each module to report the trainee capacity assessment
WP4	4.1	A quality control and monitoring system	Feb 2021	Mar 2021	Feb 5, 2021	Sept 2021	All team members	<ul style="list-style-type: none"> <li>QCMP</li> </ul>	QCMP V2.2	Done-final	
WP4	4.2	Implementing the internal quality control and	Mar 2021	Nov 2023	Mar 11, 2021	-	All team members	-Quarterly reports	<ul style="list-style-type: none"> <li>WP4 Quarterly Report (01.12.2023- 29.02.2024)</li> <li>WP4 Quarterly Report (01.03.2024-31.05.2024)</li> </ul>	Done-final (Mar. 2024)	



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		monitoring of the project							- Evaluation reports for course modules WP2 -2.2-M1 and M6	On-going	
								- Consolidated reviewed report for deliverables		- UNSTPB (former UPB) reports Done Apr. 24/ ready for consolidation	
								•		- Consolidated reports for modules WP2 -2.2-M1 and M6. Done-final	
WP4	4.3	Inviting independent external evaluation of	Nov 2021	Nov 2023	Nov 2021	-	QCMBC C/	-Midway external quality control and	-	-done	



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		the project results					All team members	monitoring report.  -Final external quality control and monitoring report.		-ongoing	
<b>Task 5.2</b>	Creating and maintaining a project website	<b>A project website</b>	<b>Nov 2020</b>	<b>Dec 2023</b>			<b>AIT, MU</b>	<b>Updated website</b>	<b>A website</b>	on-going	
<b>Task 5.3</b>	Inviting non-university sector to participate in the training program and preparing for online training registration	A list of registered trainees from the non-university sector at tertiary level in Thailand	Nov 2020		Nov 2020	June 2021	AIT	The number of registered trainees	Direct inviting, visiting	Done	More than 100 participants from 22 institutes
<b>Task 5.4</b>	E-newsletter	one e-newsletter	Jan 2022	Dec 2022			WP5	E-newsletter	1 e-newsletter	Done	-6 e-newsletters were published





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Task 5.4	Production of dissemination materials	10 Dissemination materials								done	
Task 5.5	Publications in social media and website	The PR of ReCap4.0 Activities at UMinho Portugal	Apr 2022				WP5 team	The meeting event	Published on FB/website		
Task 5.5	Publications in social media and website	The PR of Coaching Session for the “Digital Manufacturing” module to Thai trainers	Apr 2022				WP5 team	The training course at UMinho, Portugal	Published on FB/website		On-going for other courses.
Task 5.5	Publications in social media and website	The PR of Coaching and Mentoring Skills Development (CSD) class at RMUTL	Apr 2022				WP5 team	The training course at RMUTL	Published on FB/website		On-going for other courses.