PROFILE

Passionate on engineering education, I have been involved in using the Conceive-Design-Implement-Operate (CDIO) Framework for curriculum redesign since 2013. I have share my experiences at several CDIO events and conducted a number of workshops to Higher Education institutions in Thailand.

I initiated a Smart Teacher Training Academy at RMUTT to promote University Pedagogy: Teaching and Learning in Higher Education. After receiving a Principal Fellowship (UKPSF) from Advance HE, I am now responsible for RMUTT-Professional Standard Framework program and RMUT-PSF initiative.

As an assistant to president for Teaching & Learning innovation and Quality Improvement for RMUTT, I am now involving with curriculum improvement, academic affairs, professional developments for faculties, as well as, quality assurance and improvement.

CONTACT

PHONE:
+66 81 905 7744

EMAIL:
natha.k@en.rmutt.ac.th

HOBBIES

Movies
Music
Reading
Cooking

NATHA KUPTASTHIEN

Assistant to President
Rajamangala University of Technology Thanyaburi (RMUTT)

EDUCATION

University of Missouri-Rolla, USA
1993 - 1997
MS and PhD in Engineering Management

Chulalongkorn University
1989 - 1993
Bachelor of Engineering, Industrial Engineering, 2nd class honor

WORK EXPERIENCE

RMUT-Thanyaburi

2021 – present	Program Chair for Industrial Engineering master degree
2015 – 2018	Assistant to President for International Affairs
2015 – 2017	Director – International Strategy Division
2012 – 2015	Department Head – Industrial Engineering
2011 – 2014	Director – Graduate Office
2010 – 2013	Head of International Affairs, Faculty of Engineering
2008 – 2012	Program Chair for Industrial Engineering master degree

RMUT-Isan
2022 – present Academic council member

Thailand Accreditation Board of Engineering Education (TABEE)
Program Evaluator and Team Chair
2017–present
Lead and perform engineering program assessment at several universities.
Working committee Engineering Technology Accreditation Commission
2023–present
Set up accreditation system for engineering technology programs.

CDIO Worldwide Initiative
2014-present Master Trainer/Leader
2016–2020 Council member-at-large
Organize 2017 CDIO Asian Regional Meeting, 2020 and 2021 CDIO International Conference.

SKILLS

Teamwork and Communication
Time and Resource Management
Project Management

PROFESSIONAL DEVELOPMENT & TRAININGS

2025	The 22nd AUN-QA Training (Tier I)
2023 – 2024	UK Professional Standards Framework, Advance HE, UK
2019	Assessment for Academic Learning Eastern Finland University, Finland
2015 – 2017	Advanced CDIO (Conceive – Design – Implement – Operate) for Education Reform, Temasek Foundation and Singapore Polytechnic International
2017 – 2018	Training the Trainers, University Pedagogy, University of Tampere, Finland
2016	Leadership the 8th Habit, Pac Rim Group
2016	University Pedagogy, University of Tampere, Finland
2015	7 Habits for Highly Effective People, Pac Rim Group
2013 – 2015	CDIO (Conceive – Design – Implement – Operate) Framework, Temasek Foundation and Singapore Polytechnic International

PUBLICATIONS

Sirichai Torsakul & Natha Kuptasthien (30 Oct 2024): Tool life improvement for stamping dies in the coining process, Advances in Materials and Processing Technologies, DOI: 10.1080/2374068X.2024.2423531

Tiewtoy, S., Moocharoen, W. & Kuptasthien, N. 2023. User-centred machinery design for a small scale agricultural-based community using Quality Function Deployment, International Journal of Sustainable Engineering, 17:1, 1-14, DOI: 10.1080/19397038.2023.2295854

Torsakul, S., Memon, A., Triwanapong, S. & Kuptasthien, N. 2019. CDIO - Framework for Outcome-based Engineering Education for Accreditation: A Case Study of Thai Industrial Engineering Program. ASEAN Journal of Engineering Education Volume 3. https://ajee.utm.my/index.php/ajee/article/view/24

Torsakul, S. & Kuptasthien, N. 2019. Effects of three parameters on forming force of the single point incremental forming process. J Mech Sci Technol 33: 2817. https://doi.org/10.1007/s12206-019-0528-2

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Lee, L., Lee, L.S., Sripakagorn, A., Kuptasthien, N., Tien, D.B, Saad, N.H., Cheah,S.M., and H. Leong (2015). Comparative Study on CDIO Implementation in Selected ASEAN Countries, Proceedings of the 11th International CDIO Conference, Chengdu, China. http://www.cdio.org/knowledge-library/documents/comparative-study-cdio-implementation-selected-asean-countries

Sripakagorn, A. and N. Kuptasthien (2019). CDIO Thailand: Community of Good Practices for Thai Engineering Education, Proceedings of the 15th International CDIO Conference, Aarhus, Denmark, http://www.cdio.org/knowledge-library/documents/cdio-thailand-community-good-practices-thai-engineering-education