

CDIO

1.

CDIO (CDIO-based Education Framework)
4
Chalmers University of Technology, KTH Royal Institute of Technology, Linköping University
Massachusetts Institute of Technology (MIT)
. 2000 (Key Stakeholders) (Engineering Education)
(Conceive)
(Design) (Implement)
(Operate) CDIO Worldwide Initiatives
Collaborator 107 [1]

Conceive, Design, Implement, and Operate (CDIO) Framework for Re-Thinking Engineering Education, Thailand Temasek Foundation Singapore Polytechnic International 50 2556 – 2557 CDIO-based Education
CDIO

2.

CDIO 2 1) CDIO Syllabus
2) CDIO Standard

CDIO-based Education at RMUTT
Tuesday, 12 August 2014 07:15

2.1 CDIO Syllabus

CDIO-based Education at RMUTT
Tuesday, 12 August 2014 07:15
CDIO Syllabus
(Conceive)
(Design) (Implement)
(Operate) [2]
1CDIO Syllabus
(Technical Knowledge & Reasoning) (Personal & Professional Skills) (Interpersonal Skills)
3

2.2 CDIO Standard

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3. CDIO-based Education

CDIO-based Education

2558 CDIO-based Education

1 CDIO-based education 2558

2 3 2558 Integrated Curriculum Design

8

Basic Engineering

4 – Introduction to Engineering IE Design & Build

Plant Design, Pre-project, Project 5

6 Standard 7-8

Active Learning, Experiential Learning Production Planning & Control, Operation

Research, Quality Control Standard 9-10

Standard 11-12

CDIO-based Education Customized Training

On 1-4 December 2014, RMUTT hosts a workshop for faculty members in Active & Experiential

Date	Topics	Workshop Materials
1 December 2014		
Introduction to CDIO		
Assoc. Prof. Dr. Natha Kuptasthien		

[slide 1](#)

[CDIO Syllabus](#)

[CDIO Standard - Thai](#)

[Activity: Self Evaluation](#)

	Active Learning	Active Learning	Asst. Prof. Piyanut Jingjit
2 December 2014	Effective Teaching	Effective Teaching	Assoc. Prof. Dr. Angke
	Experiential Learning	Experiential Learning	by Asst. Prof. Dr. W
	Before & After CDIO	Case Study	
3 December 2014	Learning Outcome & Assessment	Learning Outcome	& Assessment by Asst.