

Global PBL (CEP: Cross-culture Engineering Project)

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2020/02/18 ~2020/02/28	Thailand	King Mongkut's University of Technology Thonburi National University of Laos	<ul style="list-style-type: none"> •Systems Engineering and Science •Master 1st grade, Undergraduate 4th grade, Undergraduate 3rd grade 	(SIT) Students 20, TA 4, Professor 4 (King Mongkut's University of Technology Thonburi) Students 20, TA 2, Professor 1, Staff 2 (National University of Laos) Professor 1	mano kazunori(Department of Electronic Information Systems), hasegawa hiroshi(Department of Machinery and Control Systems), yokemura taketoshi(Department of Electronic Information Systems), inoue masahiro(Department of Electronic Information Systems)



Image1 Beginning of the PBL

A global PBL called "Cross-culture Engineering Project (CEP)" in the Graduate School of Science and Engineering was conducted with KMUTT in Bangkok, Thailand. This PBL is a 10-day educational program that proposes problem settings, solutions, and prototypes based on systems engineering and systems thinking. Themes focus on social issues (traffic, environment, food loss, etc.), and requirements, proposals for solving problems, business model proposals, and visualization proposals using prototypes are discussed and implemented. In addition, field trips and factory tours were conducted to solve SDGs related issues including new business models. Finally, several assessment tests were performed to evaluate the competencies of participated students.



Image2 Brainstorming



Image3 Design Review



Image4 Field trip