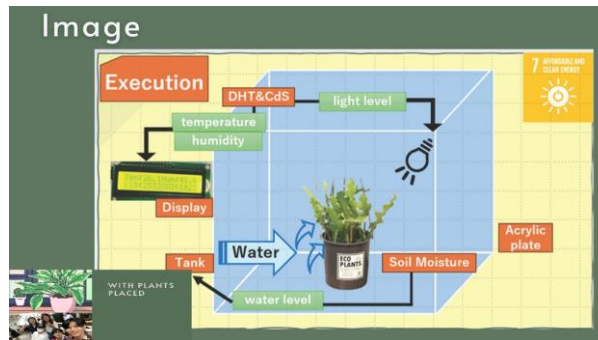


International Internship on Electronic Engineering 2 : Bidirectional gPBL program for the realization of systems related to the SDGs using electronic technology

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2024/09/16 ~2024/09/24	Thailand	King Mongkut's University of Technology Thonburi	Department of Electronic Engineering, Department of Electrical Engineering Undergraduate 3rd grade, Undergraduate 4th grade	(SIT) Students 11, Student Staff 1, Professor 2 (King Mongkut's University of Technology Thonburi) Students 10, Professor 4	KOIKE Yoshikazu (Electrical and Electronic Engineering Advanced Electronic Engineering) YOKOI Hideki (Electrical and Electronic Engineering Advanced Electronic Engineering), KANO Shinichiro (Electrical and Electronic Engineering Advanced Electronic Engineering)



Developing system

A gPBL (Global Project-Based Learning) dispatch program was conducted in collaboration with the Department of Electronics and Telecommunications Engineering (ENE) at King Mongkut's University of Technology Thonburi (KMUTT). This program is carried out in a bidirectional manner: in September, students from the Department of Electronic Engineering of our university participated in an 11-day dispatch program in Bangkok, Thailand, and from late October to early November, KMUTT ENE students visited Japan for 11 days to take part in a reception program, with the same members and team division as before. Although there have been two online sessions in the past, this year marked the memorable 10th edition of the program. Participants from SIT and KMUTT were divided into five teams of four to five members and engaged in workshops. As with last year, this year's goal was related to the SDGs, focusing on maintaining a clean air environment by combining microcomputers, sensors, actuators like fans, and networks. Each team reported on their project theme setting, planning, and progress during the dispatch program in two presentations. The projects were evaluated by two faculty members from SIT and five faculty members from KMUTT, with the top three teams receiving awards. This year's participants engaged in the workshops while communicating more than ever with KMUTT students. During the final presentations, we noticed that students from our university took the lead in answering questions more frequently than before. We are deeply grateful for the heartfelt support from the faculty and students of the ENE department at KMUTT for this event. Starting from late October, we will begin the reception program for this year as well, and we look forward to seeing further development in the projects and deeper interactions among the students.



Workshop 1



Workshop 2



Final presentation in Thailand



Awarding ceremony