

Bidirectional gPBL on system for SDGs using electronics

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2025/08/25 ~2025/09/02	Japan	King Mongkut's University of Technology Thonburi	<ul style="list-style-type: none"> •Department of Electronic Engineering, Department of Electrical Engineering •Undergraduate 3rd grade, Undergraduate 4th grade 	(SIT) Students 10, Student Staff 3, Professor 3 (King Mongkut's University of Technology Thonburi) Students 10, Professor 1	YOKOI Hideki(Electrical and Electronic Engineering Advanced Electronic Engineering), KANOH Shinichiro(Electrical and Electronic Engineering Advanced Electronic Engineering), KOIKE Yoshikazu(Electrical and Electronic Engineering Advanced Electronic Engineering)



Image1 Design review

The inbound PBL program conducted this time constituted the first half of a reciprocal PBL initiative that Shibaura Institute of Technology has been implementing in collaboration with King Mongkut's University of Technology Thonburi (KMUTT) for more than ten years. Unlike the previous two years, this year's program began with the inbound program at Shibaura Institute of Technology, followed by the outbound program at KMUTT. The inbound program was held from August 25 to September 2, while the outbound program took place in Bangkok, Thailand, from September 20 to September 28.

For academic credit, participants in the inbound program are awarded credit for either "Global PBL1 in SIT" or "Global PBL1 in SIT." Ten students from Shibaura Institute of Technology and ten students from KMUTT participated in the program, together with one faculty member from KMUTT.

This year, the students worked on a PBL project focused on developing systems related to smart agriculture. In addition to design reviews and an interim presentation on the final day, the inbound program included a yukata workshop and a visit to the IHI Museum. The participating students had a highly rewarding and fulfilling experience. We look forward to seeing the same level of enthusiasm and engagement during the outbound program in the second half.



Image2 Midterm presentation



Image3 Outcomes in midterm



Image4 Workshop



Image5 Yukata workshop