

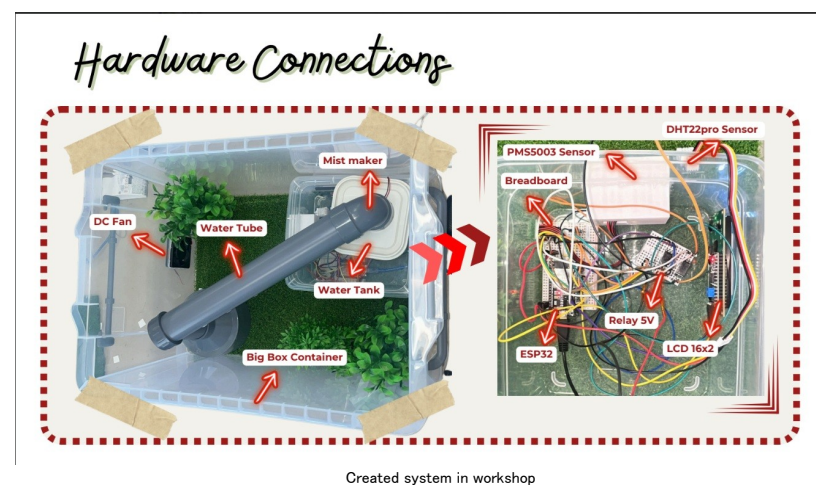


芝浦工業大学
 SHIBaura INSTITUTE OF TECHNOLOGY

AY2024 Global PBL (Inbound) Performance Report

Global PBL 1, 2 : A bidirectional gPBL program for implementing SDGs-related systems using electronic technologies

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2024/10/28 ~2024/11/05	Japan	King Mongkut's University of Technology Thonburi	Department of Electronic Engineering, Department of Electrical Engineering Undergraduate 3rd ~ 4th grade	(SIT) Students 11, Student Staff 3, Professor 3, Staff 1 (King Mongkut's University of Technology Thonburi) Students 10, Professor 1	KOIKE Yoshikazu (Electrical and Electronic Engineering Advanced Electronic Engineering), YOKOI Hideki (Electrical and Electronic Engineering Advanced Electronic Engineering), KANOH Shinichiro (Electrical and Electronic Engineering Advanced Electronic Engineering)



Created system in workshop

The accepting PBL program implemented corresponds to the second half of a bidirectional PBL program that we have been continuously conducting in collaboration with King Mongkut's University of Technology Thonburi (KMUTT). This year, the sending program took place from September 16 to September 24, followed by the accepting program where students from KMUTT visited Japan from October 28 to November 5. For academic credit, the accepting program is recognized as a "Global PBL 1 or 2."

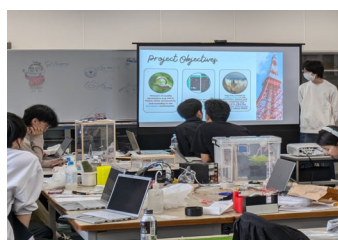
During the accepting period, 11 students from our department and 10 students along with 1 faculty member from KMUTT participated. This year's project theme was again related to the SDGs, and the students worked on relevant projects. In addition to continuing last year's work on an automatic plant watering system, the students also tackled the development of a system designed to maintain an indoor environment with low levels of carbon dioxide and fine particulate matter. In the final presentations, the team that was able to successfully demonstrate all system functions received the highest evaluation. However, other teams also succeeded in implementing systems that combined more complex hardware and software than in previous years.



Guidance in SIT



Workshop



Final presentation



Yukata workshop