

Cross-cultural Engineering Project (CEP) at SIT

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2025/12/09 ~2025/12/18	Japan	King Mongkut's University of Technology Thonburi Suranaree University of Technology Hanoi University of Science and Technology Institut Teknologi Bandung Thai-Nichi Institute of Technology Tashkent University of Information Technologies Universidade Federal do ABC Thammasat University Universitas Pendidikan Indonesia Universiti Kebangsaan Malaysia KLS Gogte Institute of Technology Chennai Institute of Technology Tashkent University of Information Technologies Universidade Federal do ABC University of Brasilia Frankfurt University of Applied Sciences Vienna University of Technology Eastern Switzerland University of Applied Sciences (OST) Universidade do Minho	•Department of Electronic Information Systems, Department of Machinery and Control Systems, Department of Planning, Architecture and Environmental Systems •Undergraduate 3rd grade, Undergraduate 4th grade, Master 1st grade, Master 2nd grade, Doctor 1st grade, Doctor 2nd grade	(SIT) Students 38, Student Staff 5, Professor 6 (King Mongkut's University of Technology Thonburi) Students 10 (Suranaree University of Technology) Students 2 (Hanoi University of Science and Technology) Students 5 (Institut Teknologi Bandung) Students 3 (Thai-Nichi Institute of Technology) Students 2 (Tashkent University of Information Technologies) Students 3 (Universidade Federal do ABC) Students 3 (Thammasat University) Students 5 (Universitas Pendidikan Indonesia) Students 3 (Universiti Kebangsaan Malaysia) Students 3 (KLS Gogte Institute of Technology) Students 3 (Chennai Institute of Technology) Students 3 (Tashkent University of Information Technologies) Students 3 (Universidade Federal do ABC) Students 3 (University of Brasilia) Students 4 (Frankfurt University of Applied Sciences) Students 3 (Vienna University of Technology) Students 3 (Eastern Switzerland University of Applied Sciences (OST)) Students 1 (Universidade do Minho)	MANO Kazunori(), WATANABE Dai(), ICHIKAWA Manabu(), MURAKAMI Kayoko(Electrical and Electronic Engineering), GOTO Yusuke(), MOCHINAGA Dai(), HASEGAWA Hiroshi()



Image1 Project Work

The College of Systems Engineering and Science and the Systems Engineering and Science of the Graduate School have implemented the Systems Thinking in Engineering (Systems Engineering) educational program as a core course for undergraduate and graduate majors. The culmination of this educational program is the Cross-cultural Engineering Project (CEP), which is implemented in Japan, Southeast Asia, and Europe. CEP is held at the Omiya Campus, where participants from various countries and fields deal with issues related to industry-community-university collaboration. The Southeast Asia region is held in Bangkok, Thailand, and targets global issues. The European region will be held in Portugal and will focus on innovation creation. Participants can earn credits by taking courses in any of these three regions. This year, the program was held from December 9 to 18 at the Omiya Campus and Nasu Town, Tochigi Prefecture. 108 participants from 15 countries and regions around the world were divided into 16 teams to conduct projects in mixed-disciplinary, multinational teams. The project team consisted of nine corporate problem-solving teams (including a Thai company), six local government problem-solving teams, and one entrepreneurial project team. The program also included a workation held in Nasu Town, Tochigi Prefecture, from December 14 to 16 (two nights, three days), themed "Stories for journey Beyond Tokyo's city limits." Participants applied Public Narrative techniques to create stories centered on empathy, inviting overseas travelers to journey beyond Tokyo's city limits. They then presented these proposals to local stakeholders. The Grand Award for the overall project went to Freshwater Blue Carbon Project. Their outstanding proposal combined combined drones, IoT sensors, and SoftBank's actively invested generative AI (OpenAI) with the still-developing freshwater blue carbon initiative. As mentioned above, the proposals of each project team were very attractive and well received, and the participants were able to have a meaningful experience and multinational and multicultural exchange.



Image2 Design Review



Image3 Project Work at NASU



Image4 Group photo