

SIT+KU+AIT gPBL: Interanational Exchange Workshop on Geospatial Disaster Prevention Technologies for natural disasters

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2024/08/27 ~2024/09/04	Thailand	Kasetsart University Asian Institute of Technology Suranaree University of Technology	•Department of Civil Engineering, Urban Infrastructure and Environment, Civil Engineering, Department of Planning, Architecture and Environmental Systems, Department of Architecture •Undergraduate 1st~4th grade, Master 1st~2nd grade, Doctor 1st~3rd grade	(SIT) Students 32, Student Staff 5, Professor 1 (Kasetsart University) Students 60, Professor 8, Staff 4 (Asian Institute of Technology) Students 8, Professor 2, Staff 2 (Suranaree University of Technology) Students 8, Professor 1	INAZUMI Shinya (Civil Engineering Urban Infrastructure and Environment)



Group photo at Suvarnabhumi Airport

A global project-based learning (PBL) program on "The Role of Civil Engineers in Applying AI for Sustainable Climate Change Mitigation" was held at Kasetsart University, covering Bangkok (Main) Campus, Si Racha Campus, and Pattaya (Chonburi). A total of 114 civil engineering students participated in this global PBL program, including 37 students from the Department of Civil Engineering at SIT, 60 students from Kasetsart University, 8 students from Suranaree University of Technology, and 9 students from the Asian Institute of Technology. During the program, special lectures and demonstrations were held in the mornings, while in the afternoons the students were divided into eight groups to participate in theme-related activities both on and off campus. In addition, a three-day, two-night field trip was organized to Pattaya (Chonburi), where the students visited the Geo-Informatics and Space Technology Development Agency (GISTDA) and toured the facilities of the Thai Global Navigation Satellite System. During the group activities, each group discussed and shared insights on "The Role of Civil Engineers in Applying AI for Sustainable Climate Change Mitigation". The final presentations showcased the collaborative efforts of students from SIT, KU, SUT, and AIT, and clearly demonstrated the role that civil engineers must play in building a sustainable future. The main event featured a special lecture entitled "Innovations for Low Carbon Geotechnology" by Dr. Apiniti Jotisankasa of Kasetsart University, a geotechnical engineer renowned in both Thailand and Japan. In addition, in cooperation with Sanshin Construction Industry Co., Ltd. of Thailand, there was a lecture and demonstration on soil improvement methods suitable for tropical rainforest environments.



Prof. Inazumi's address at the opening ceremony



Students participating in a demonstration



Students on a tour of GISTDA's facilities



Site visit



Group activities



Final presentation