

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

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
February8 ~February16,2020	Japan	Kasetsart University National University of Civil Engineering, Hanoi	<ul style="list-style-type: none"> <li>•Department of Civil Engineering</li> <li>•Undergraduate 1st grade、Undergraduate 2nd grade、Undergraduate 3rd grade、Undergraduate 4th grade</li> </ul>	(SIT) Students 24, TA 6, Professor 1 (Kasetsart University) Students 20, TA 1, Professor 3 (National University of Civil Engineering, Hanoi) Students 19	<b>INAZUMI</b> shinya(Department of Civil Engineering)



Image1 Group photo

At Shibaura Institute of Technology (SIT), Japan, a global PBL was held with the theme of proposing disaster prevention and mitigation technologies that protect the geosphere and hydrosphere from natural disasters (such as heavy rain disasters) common to Japan and Thailand. The undergraduate students of Department of Civil Engineering (DCE) at SIT participated in this program and collaborated with students of DCE at Kasetsart University (KU) and National University of Civil Engineering (NUCE) to propose the creation of a urban resilient to natural disasters. Specifically, The participating students toured construction sites related to ground disaster prevention in Tokyo, and also visited the Tokyo Bay, which is under construction for the Tokyo Olympics 2020 as an example of ideal urban creation. The group discussed, announced and shared the results. In addition, lectures on ground disaster prevention in Thailand, especially construction sites related to ground improvement and sites where slopes collapsed, understood the threat of natural disasters (such as heavy rain disasters) in Bangkok, Thailand. The participating students also understood the current state of disaster prevention and mitigation technologies. Furthermore it was a good experience to understand what students who major in civil engineering in other countries were thinking about and what they were aiming for through English. The participating students of DCE at the SIT were able to enjoy working in English on an equal basis with the students of DCE, KU and NUCE.



Image2 During the Lecture



Image3 Site visit



Image4 Final presentation