

## Global PBL project for solving SDGs problem in Materials Engineering

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2022/08/01 ~2022/08/11	Thailand	Chulalongkorn University	<ul style="list-style-type: none"> <li>Materials Science and Engineering</li> <li>Undergraduate 1st grade, Undergraduate 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade</li> </ul>	(SIT) Students 22, Student Staff 2, Professor 3 (Chulalongkorn University) Students 21, Professor 4, Staff 1	SERIZAWA Ai(Department of Materials Science and Engineering), LEE SO YOON(Department of Materials Science and Engineering), ENDO Rie(Department of Materials Science and Engineering)



group photo

The global Project-based learning (PBL) program in the Department of Materials Science and Engineering has been conducted with the Department of Metallurgical Engineering, Chulalongkorn University (CU), from July 31st to August 12th, 2022. The program aims to work with international students to solve problems and improve practical English and global communication skills. Our program emphasized collaboration with international students majoring in materials engineering and discussing with a small group to increase the learning effect. The contents of the program included the Ice-breaking activity for cultural exchange, academic English classes (English skills for conversation, discussion, and presentation), special lectures related to PBL topics, and PBL discussions and presentations. The PBL topics were determined as “nanomaterials” and “commercialization of the research findings and innovation”, which are attracting more attention these days both in academia and industry. After the students received lectures regarding the PBL topic, each small group discussed and proposed a new technological idea from the fundamental knowledge of materials science and engineering.



classroom scenery1



classroom scenery2



discussion1



discussion2



presentation



CU campus