

Department of Mechanical Engineering, Global Project-based Learning Program 2019 (National Taipei University of Technology, Taiwan)

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/08/05 ~2019/08/20	Taiwan	National Taipei University of Technology	<ul style="list-style-type: none"> Department of Mechanical Engineering Undergraduate 4th grade、 Undergraduate 3rd grade 	(SIT) Students 9, TA 2, Professor 2 (National Taipei University of Technology) Students 20, TA 5, Professor 4	shirai katsuki(Department of Mechanical Engineering)、suwa yoshihide(Department of Mechanical Engineering)、kono takahiro(Department of Mechanical Engineering)、ishii yasuyuki(Department of Mechanical Engineering)



Image1 Lecture at the workshop.

An international project-based learning (PBL) program was held at the National Taipei University of Technology (NTUT) in Taiwan in August 2019. From the Shibaura Institute of Technology (SIT), third and fourth grade students at the department of mechanical engineering have participated in the program. During the 16 day program, they participated in workshops, project works and excursions. At the workshops, they learned the basics and advanced topics of the indoor-air quality management and clean-room technology, together with the NTUT students. In the project works, the SIT students stayed at laboratories on indoor-air management, clean-room or 3D printing technologies. They worked together with the NTUT students on projects based on laboratory experiments or numerical simulations. In the final day, each of the SIT students held a presentation on one's project. In the excursions, the SIT and NTUT students visited university facilities of the NTUT and industry facilities located different cities in Taiwan. There was a general quality improvement of the program in terms of the communication with the NTUT members and the project works. The improvement was achieved by the teaching assistants who have participated as students in the same series of the program in the past. Through the program, the SIT students gained international experience and furthermore, deepened their interests and understandings on the mechanical engineering.



Image2 Dr. Lin explains at lab tour.



Image3 Project on numerical analysis.

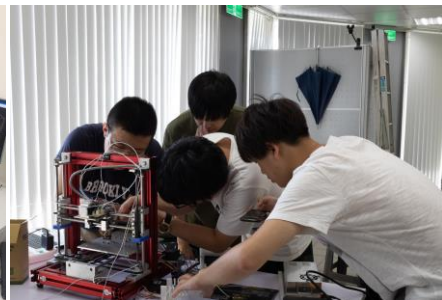


Image4 Project on 3D printing.

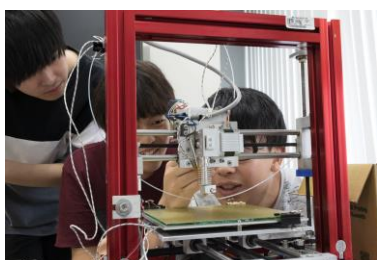


Image5 Project on 3D printing.



Image6 Gesture at final presentation.



Image7 Prof.S.C.Hu's welcome speech.