芝浦工業大學 SHIBAURA INSTITUTE OF TECHNOLOGY

2019 Global PBL (outbound) Program Report

GPBL with RMIT (in Melbourne)

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/02/23 ～2019/03/07	**Australia**	**Royal Melbourne Institute of Technology**	・Department of Engineering Science and Mechanics、Department of Mechanical Engineering、Mechanical Engineering ・Undergraduate 3rd grade、Undergraduate 4th grade、Master 1st grade、Master 2nd grade	(SIT) Students 9, TA 2, Professor 2 (Royal Melbourne Institute of Technology) TA 4, Professor 2	ono naoki(Department of Engineering Science and Mechanics)、saito hiroyasu(Department of Engineering Science and Mechanics)

Image1 Facility tour

This gPBL conducted a group discussion-type project to propose solutions to given technical problems with the help of Professor Akbar and Associate Professor Date of the Mechanical Engineering Department of the Royal Melbourne Institute of Technology (abbreviated as RMIT). One of the themes was a proposal of infrastructure technology to the residents of the area of 100 people who do not have electricity or drinking water, and another theme was a proposal of the technology to recycle contaminated water in a city with the population of 1 million where drinking water is scarce. Two TAs from SIT joined, and four doctoral students from RMIT joined the group discussion as mentors (TAs). The students also received lectures on research activities by Dr. Akbar, Dr. Date and RMIT doctoral students. They also visited an organic vegetable cultivation and experimental farm handling biofuels in the suburb to deepen their knowledge. Participating students were divided into 3 groups for discussion, and the interim presentation and the final presentation were given in English.

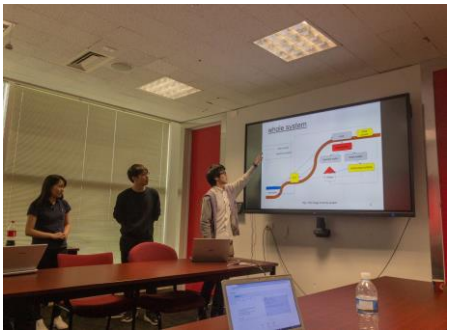

Image2 Interim presentation

Image3 Wrap-up party

Image4 Group photo(all Japanese)

Image5 Group photo

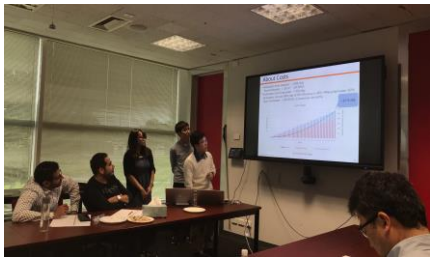

Image6 Final presentation

Image7 Group discussion