芝浦工業大學 SHIBAURA INSTITUTE OF TECHNOLOGY	2019 Global PBL (outbound) Program Report

Global PBL on IoT (Internet of Things)

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/09/12 ～2019/09/23	Viet Nam	Ho Chi Minh City University of Technology	・Department of Information and Communications Engineering、Department of Computer Science and Engineering、Department of Electronic Engineering ・Undergraduate 1st grade、Undergraduate 2nd grade、Undergraduate 3rd grade	(SIT) Students 25, TA 4, Professor 3 (Ho Chi Minh City University of Technology) Students 21, TA 3, Professor 4, Staff 8	fukuda hiroaki(Department of Information Science and Engineering)、phan xuan tan(SIT Research Laboratories)、gyoda koichi(Department of Information and Communications Engineering)

Image1 Opening ceremony

The 3rd Global PBL on IoT was held at HCMUT (Ho Chi Minh City University of Technology), Vietnam, from September 12 to September 22 in 2019, hosted by Faculty of Computer Science and Engineering in HCMUT. 25 students from SIT, 21 students from HCMUT, participated in this gPBL. This program also witnessed the participations of teaching assistants (TAs), faculty members, staff members from both universities and some observers from companies. In total, there were 70 people involved in this gPBL. The main purpose was to create ideas which solve the problems on IoT technologies. Firstly, Assistant Prof. Phan Xuan Tan gave a presentation on "Introduction to IoT", providing the basic knowledge on IoT for the students. Secondly, the students discussed in group and found the issues in IoT technologies. Thirdly, they brainstormed the solutions to the issues. Based on that, the according IoT systems were proposed and developed. Finally, the students made the presentations which were evaluated by faculty members of both universities, to show their achievements and demonstrate the developed systems.
In this gPBL, the students were divided into 7 groups. Every group proposed a unique and intriguing idea and developed a prototype system.
Furthermore, the participants enjoyed "Mekong Delta tour" as a cultural exchange.
As a whole, the gPBL was successful and the participants achieved their goals as well as brushing up their English communication skills.

Image2 Group discuusion

Image3 System development

Image4 Cultural exchange

Image5 Final presentation

Image6 Farewell party