

Global PBL Program on Network Software

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
Feb 21 ~ Mar 02, 2021	Japan	Dong A University Ming Chi University of Technology Malaysia-Japan International Institute of Technology UCSI University	<ul style="list-style-type: none"> • Department of Computer Science and Engineering • Department of Electronic Information Systems • Undergraduate 2nd grade • Undergraduate 3rd grade • Undergraduate 4th grade 	(SIT) Students 8, Student Staff 5, Professor 5, Staff 2 (Dong A University) Students 10, Staff 2 (Ming Chi University of Technology) Students 17, Professor 1 (Malaysia-Japan International Institute of Technology) Students 5 (UCSI University) Students 9	MIYOSHI Takumi (Department of Electronic Information Systems) FUKUDA Hiroaki (Department of Information Science and Engineering) YAMAZAKI Taku (Department of Electronic Information Systems)

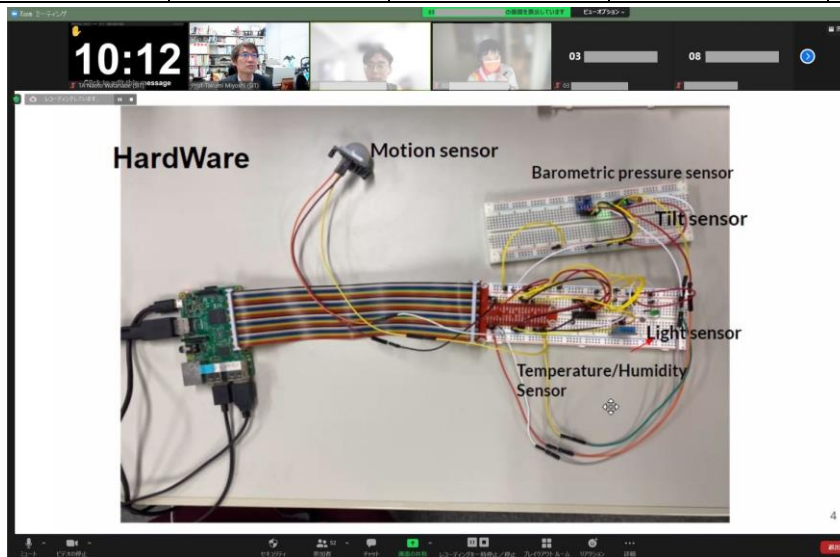


Image1 Online final presentation

This is a practical workshop for the purpose of network programming skills, English communication, and improvement of global competency. Each team consisted of multicultural members from Vietnam, Taiwan, Malaysia, and Japan, and collaborated for developing software using ingenuity. All participants used the same types of Arduino Uno, Raspberry Pi, Android mobile phone, and sensor kit at their location, and worked together in the same development environment using a server in the internet. Then, the group members discussed about issues in their daily life, set the theme, design the solution, and made an application prototype. As English is a second language for all participants, they could realize the importance of active involvement regardless of fluency. After completing the final presentation, all students expressed the sense of accomplishment.



Image2 Designing sensor circuit (1)

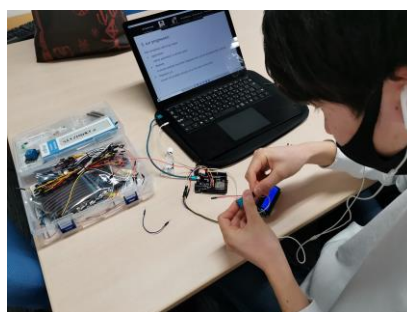


Image3 Designing sensor circuit (2)

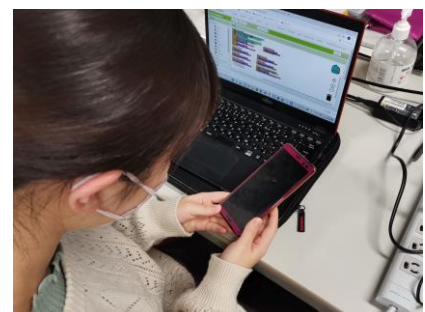


Image4 Developing smartphone app



Image5 Making a presentation slide