

Advanced Global PBL at TNI (Thai-Nichi Institute of Technology)
--- AgPBL on Society 5.0 towards Sustainable Development Goals (SDGs) ---

AgPBL (Advanced Global PBL) on Society 5.0 towards SDGs was held at TNI (Thai-Nichi Institute of Technology), Thailand, from August 31 to September 9 in 2019, hosted by Faculty of Information Technology in TNI. This program was planned as a part of research collaboration between Prof. Eiji Kamioka's laboratory in SIT and a team of Dr. Saromporn Charoenpit in TNI. Dr. Saromporn Charoenpit is Deputy Dean for Strategy and Quality Assurance, Faculty of Information Technology in TNI and also an Adjunct Associate Professor in SIT.

20 students from SIT and 25 students from TNI participated in the AgPBL. In addition, a student from Zhejiang Gong Shang University, China, joined the PBL. This student joined SIT as a laboratory internship student from April to July, 2019 and offered to participate in the PBL. Therefore, 46 students, in total, joined the AgPBL.

In the AgPBL, firstly, B4 students from SIT presented their graduation researches to share the research interests which would be useful to decide this PBL's theme. After that, the participants were divided into eight groups. In each group, they brainstormed the given topics (Education system or Healthcare system), found difficulties in existing researches and discussed the solutions to overcome the difficulties. Based on the solutions, they proposed systems and developed them. Finally, they presented their achievements and demonstrated the developed systems to show the feasibilities.

As a whole, this AgPBL was successful and the participants achieved their goals as well as brushing up their English communication skills.

Schedule at a glance

Date			Morning session (9:00 - 13:00)	Afternoon session (14:00 - 18:00)
Day 1	Aug. 31	Sat.	Departure from Haneda	Arrival at Bangkok Campus tour at Thai-Nichi 2 hours
-	Sep. 1	Sun.	Day off	
Day 2	Sep. 2	Mon.	Opening ceremony / Ice breaking 2 hours	PBL (Guidance) 2 hours PBL (discussion) 4 hours
Day 3	Sep. 3	Tue.	PBL (discussion) 4 hours	PBL (discussion) 4 hours
Day 4	Sep. 4	Wed.	PBL (discussion) 4 hours	PBL (discussion) 4 hours
Day 5	Sep. 5	Thu.	PBL (discussion) 4 hours	Workshop (Presentation & discussion) 4 hours
Day 6	Sep. 6	Fri.	PBL (discussion) 4 hours	PBL (discussion) 4 hours
Day 7	Sep. 7	Sat.	PBL (Preparation for presentation) 4 hours	PBL (Presentation) 4 hours
-	Sep. 8	Sun.	Day off	
Day 8	Sep. 9	Mon.	Closing ceremony 1 hours	Departure from Bangkok Arrival at Haneda

Ceremonies / Ice breaking	3 hours
PBL activities	44 hours
Workshop	4 hours
Total	51 hours

Farewell Party: After PBL Activity on Sep. 7



Introduction to each university at the opening ceremony



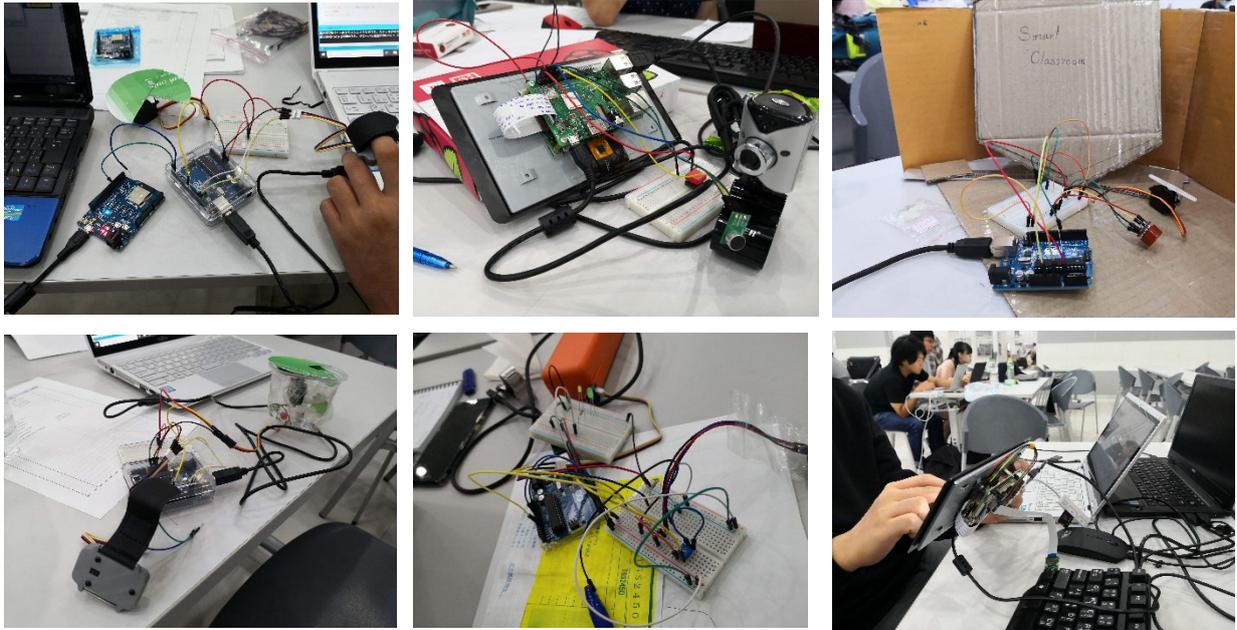
Ice-breaking with games



AgPBL activity: Clarification of the issues on Society 5.0



Presentation of ongoing research at the research workshop



System developments using microcomputers and sensors



Photo with the President and Dean



Final presentation: Giving presentations and demonstrations



Farewell party with Thai foods and a Thai traditional dance



Giving the certificate of completion to participants at the closing ceremony



Giving presentation awards



Final photo session

Summary of AgPBL

Name of PBL	Advanced Global PBL on Society 5.0 towards SDGs	
Date	From August 31 to September 9, 2019	
Venue	Faculty of Information Technology, TNI, Thailand	
PBL	Active leaning in 8 groups: Research survey, problem clarification, theme decision, proposition, system development, evaluation, presentation and discussion	
Workshop	Research presentations and discussions by SIT bachelor students	
Participants from SIT	20 students (from B4 to D2), mainly belonging to Kamioka Lab.	20
	4 Faculty members - Prof. Dr. Eiji Kamioka - Assist. Prof. Dr. Phan Xuan Tan - Assist. Prof. Dr. Peeraya Sripian - Adjunct Lecturer Dr. Nguyen Duc Toan	4
Participants from TNI	25 students from Faculty of Information Technology (from B1 to M2)	25
	6 Faculty members, - President, Assoc. Prof. Dr. Bandhit Rojarayanont - Dean, Assoc. Prof. Dr. Ruttikorn Varakulsiripunth - Deputy Dean, Lecturer, Dr. Saromporn Charoenpit - Lecturer, Dr. Pramuk Boonsieng - Lecturer, Dr. Paskorn Apirukvorapinit - Lecturer, Ms. Salinla Chevakidagarn	6
Participants from Zhejiang Gong Shang University, China	1 student (M2)	1
Observers from other organizations	National Institute of Technology, Kushiro College - Associate Professor, Dr. Yoko Nakajima National Institute of Technology, Nagaoka College - President, Dr. Motomu Takeshige	2
The total number of participants		58