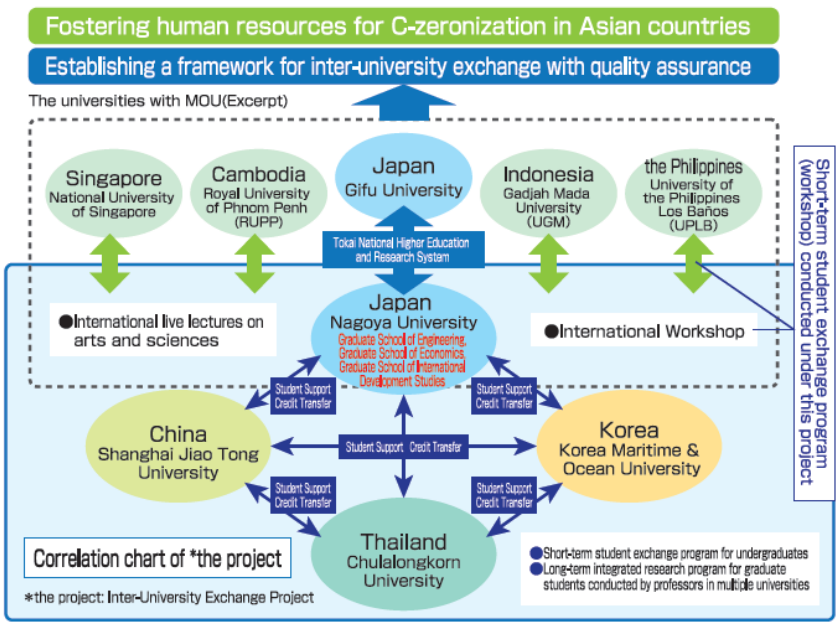


【Name of project】(Adopted year: FY2021, (Type B①))
Fostering Human Resources for C-Zeronization in Asian Countries
【Summary of Inter-University Exchange Projects】



【Summary of Exchange program】
The realization of c-zeronization society, which is one of the SDGs, is a common issue for all humankind that the international society should work together to address. The objective of this student exchange program is foster future leaders in the field of c-zeronization who can succeed in industry, government, and academia in order to create sustainable Asia in the future through local cooperation. This program goes beyond conventional research and education in specific engineering fields and promotes a problem-solving oriented research program which integrates multiple technologies as well as a cross-disciplinary engineering and science education program through cooperation in economics and international development related to c-zeronization and SDGs. Moreover, it offers international workshops and lectures including debates in English and establish international collaborative education program which ensures high quality education.

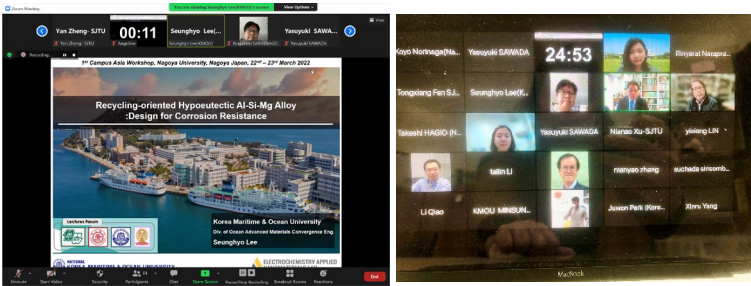
【Global Human Resource on the project】
In addition to being familiar with the specialized knowledge and technology in the engineering and scientific fields related to carbon zeroization, we have a broad perspective and logical thinking ability through close cooperation with other fields, and have rich humanity, high ethics, and literacy. The goal is to train leaders who can contribute deeply to the sustainable development of humankind, such as carbon zeroization and SDGs, in future Asian countries, by combining interdisciplinary insights and glocal perspectives.

【Feature on the project】
①Both the short-term and long-term program offers not only lectures in engineering but curricula in economics and international development related to c-zeronization (online: international live classes). ②Workshops will provide a place for authentic debates in English related to c-zeronization among liberal arts undergraduates studying economics and international development, scientific undergraduates and graduate students, and native English-speaking students, as well as a place for field studies in which studies are not limited to research and development but the connection with the society is also regarded as a reginal characteristic. ③By implementing short-term (for undergraduate students) to long-term (for graduate students) international exchange programs with quality assurance, both standardization of the international collaboration system among multiple universities and the methods for accepting and dispatching students and a system for cross-cultural co-curricular learning are established.

【Exchange number】		2021	2022	2023	2024	2025
Out bound	Students studying abroad	2	2	2	2	2
	Students taking online international education and exchange programs in their home countries	20	25	35	45	45
	Students fulfilling both of the above requirements	0	5	5	5	5
In bound	Students studying abroad	6	6	6	6	6
	Students taking online international education and exchange programs in their home countries	60	105	135	135	135
	Students fulfilling both of the above requirements	0	15	15	15	15

[Fostering Human Resources for C-Zeronization in Asian Countries] Year of Adoption: 2021

Implementation Status of Student Exchange Programs



Online Workshop

Nagoya University has cancelled all inbound and outbound onsite student exchange programs for FY2021 due to COVID-19 travel restrictions. Under difficult circumstances, we created effective learning environments at the university that enable interaction with overseas universities. At the online workshop in March 2022, participants including students from NU, Chulalongkorn University, SJTU, and KMOC engaged in a lively debate about realization of c-zeronization.

Student Mobility of Exchange Programs

Dispatch of Domestic Students

Domestic students couldn't be onsite dispatched in FY2021 due to COVID-19 travel restrictions. We carefully discussed implementation plans for FY2022 with Chulalongkorn University online.

Acceptance of Overseas Students

Students couldn't be accepted onsite from overseas universities in FY2021 due to COVID- 19 travel restrictions. We provided online discussions with the students scheduled to be dispatched from Chulalongkorn University in FY2022 about their research plans which will be implemented after they arrive in Japan.

	FY2021	
	Estimated	Result
Number of Dispatched Students	22	25
Number of Accepted Students	66	45

Network for inter-university exchange with quality assurance

Our student exchange programs emphasize student achievement and evaluation for student achievement is made from a variety of perspectives including communication skills and leadership. Our network for inter-university exchange ensures quality assurance with consortium member universities such as credit transfer system. As part of the efforts, corporate internships and fieldwork opportunities are offered during short term education programs with the assistance of companies and public institutions. By experiencing presentation and debates with employees, students learned how to put their knowledge and skills into practice as well as the essence of learning and the scene of Southeast Asia.

Efficient learning environments for acceptance of overseas students and dispatch of domestic students

Our learning environments have been improved for interactive online communication such as Lecture Room. In particular, high performance multiple cameras and a digital whiteboard installed in Lecture Room convey a lively classroom atmosphere and promote good lecturer-student relationships. Moreover, each student can use a touch screen and a stylus pen to attend interactive digital lectures in the room.



Lecture Room



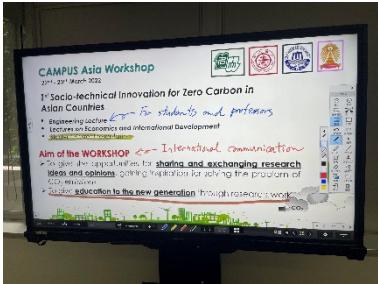
Multiple cameras are installed for interactive lectures in Lecture Room.

University internationalization, information disclosure and achievement

We receive many applications from our consortium member universities and inquiries for student exchange programs from other overseas universities. The website for the program (Japanese/English) is scheduled to be established in FY2023 to publish useful program information.

Good Practice

Lectures given by a professor of graduate school of economics, research presentation made by domestic and overseas students and cross-disciplinary discussion at the workshop earned a high reputation from domestic and overseas professors.



Interactive lecture with a digital whiteboard