

【Name of project】 (Adopted year: FY2012, Type II: SEND program)

Twin College Envoys Program (TWINCLE)

【Aim of project, Ideals of Global Human Resource in the project】

A program for teachers who have *global ability* and *vision* and researchers who have a *global mind*. To develop the program which pairs up graduate students skilled in educational research with those striving for cutting edge practical scientific research, and trains highly skilled individuals.

【Summary of project】 We aim to promote international cooperation by setting up a program to send graduate and undergraduate students from different academic disciplines to study abroad at universities located in ASEAN. Classes will be provided as part of the program, and students will be able to gain credits for their involvement in education and research.

■ Forming the University Network with Quality Assurance

○ Setting up a curriculum for the globalization of Japan

We are planning to establish a new curriculum, "Global Japan Curriculum". The credits undergraduate and graduate students gain through this will count towards their graduation.

○ Setting up a flexible course

By setting up a trial course (two weeks) and a short course (one month), we will enable a large number of students to participate in the program. The long course (six months) has even greater potential to deepen education and research.

○ Promoting active learning by making use of the "English House"

The newly-established facility for study, the *Academic Link Center*, will play a central role, providing an environment conducive to self-study and offering information and human support. In addition, English ability will be greatly enhanced by the *English House*, which will provide opportunities for students to develop their English communication ability in a relaxed atmosphere.



■ Contents of the Programs, Preparation for the Start of the Programs

○ Development of Experimental Courses in English and languages of the relevant countries

In order to support the global concept of "Developing outstanding talented individuals" we are working in conjunction with National Institute of Education (NIE), Singapore, and have started to develop programs for teaching science through English. Furthermore, together with Phnom Penh University and others, we are developing programs for use in local languages.

○ Setting up international student exchange agreements

We are planning to set up exchange agreements with traditional universities in various ASEAN countries, Indonesia in particular, promote the granting of double degrees and set up a system for conducting joint research.

■ Student-Mobility

○ Sending Japanese students abroad

In the academic year 2012-13, we began to send Japanese students on the trial course and the short course. They will attend in pairs or groups of 4. In the first year, we will send 40 students. After that we aim to send 80 students per year.

○ Accepting international students

As the program starts half way through the academic year, we are only planning to accept 5 students this year. In the academic year 2013-14, we will publicize our activities and encourage more international students to participate. Our aim is to increase the number of participants 3-fold to about 16 participants.

	2012	2013	2014	2015	2016
Outbound	40	80	80	80	80
Inbound	5	16	16	16	16

Note: These numbers are at application of this project.

■ Promotion of Student-Mobility Environment

○ Chiba University's policy to employ a special assistant professor in the IEC Office

Specially appointed staff have already been assigned to the IEC Office. In addition special coordinators will be appointed to the participating universities to provide local support. Furthermore, for the duration of the trial and short courses, the specially appointed staff will provide practical and educational support and guidance so that the exchange activities may be carried out safely and effectively.

○ Management of the sending and receiving of students at the International Support Desk (ISD)

The procedure for sending and receiving students by ISD will be centralized as a one-stop service, which will support the international students from the beginning to the end of their period of study abroad. Furthermore, there will be staff in the department offices who will provide support and advice in English and meet the needs of the increase in exchange students.

■ Visualization of the Content of Education, Dissemination of the Outcomes

○ Making the syllabus public, providing information on the Homepage

Regarding the classes taken by the students, a special secretary will be employed to enhance the support system. He or she will publish the syllabus and details about students completing the courses in both printed form and on the homepage in order to provide transparency. We will also make the contents of our program public, for example, by holding a symposium.

○ Evaluation by an external evaluation committee

The program will also be evaluated by outside groups, such as the Educational Exchange section of the Japan Association of Corporate Executives. Based on their advice and suggestions, we will make further improvements to the program.



Re-Inventing Japan Project

Support for the Formation of Collaborative Programs with ASEAN Universities

【Name of project】(Adopted year: FY2012, Type II)

Twin College Envoys Program (TWINCLE)

【Aim of project, Ideals of Global Human Resource in the project】

To facilitate development of teachers' and researchers' *global ability and global perspective* through internship.

【Summary of project】 We aim to develop a program by pairing up graduate students who are skilled in educational research with those who are adept in cutting-edge practical scientific research. We prepared a curriculum that promotes international cooperation, and implement its goals by sending graduate and undergraduate students from different academic disciplines to study at universities located in ASEAN countries. Students acquire academic credits for their teaching and research activities in the program.

■ Forming a University Network with Quality Assurance

○ Global Japan Curriculum

Through this curriculum, TWINCLE participants can become more proficient in English and intercultural communication. The competencies in the curriculum aim to enrich their international internship experience. The academic credits will be included in their performance evaluation.

○ Setting up a flexible course

By setting up a trial course (two weeks) and a short course (one month), we can accommodate a large number of students who want to participate in the program. The long course (six months) provides greater opportunity for students to deepen their educational research.

○ Promoting active learning by making use of CALL and English House

In Chiba University, there are many establishments for *Active Learning*. For instance, a newly-established facility for study, the *Academic Link Center*, provides a conducive environment for self-study. In addition, through Computer Assisted Language Learning (CALL) software developed by Chiba University and *English House*, students can develop their English communication ability in a relaxed setting.



Indonesian universities and high school teachers at a debriefing session with the first group of TWINCLE participants

A class in one of the participating high schools in Indonesia



■ Contents of the Program and Preparation for the Program

○ Development of Experimental Courses in English

In the *Global Japan* curriculum, we develop teaching materials for cutting-edge scientific researchers as a part of our outreach program. We are also working in conjunction with the Center for International Research and Education to provide opportunities for the study of Japanese language and culture. Together with the National Institute of Education, Singapore and the Institute of Education, University of London and Phnom Penh University, we have been developing programs for teaching science in English and local languages.

○ Recognition of credits gained in the TWINCLE Program

In FY 2013, we instituted a credit approval system as part of the *Global Japan* curriculum starting with our partner university in Indonesia.

■ Student-Mobility

○ Outbound

In the 2012 trial course, we sent 39 students to Indonesia and Cambodia on the "trial course". This year we added Thailand, Vietnam, and Singapore; and 80 students will be participating.

○ Inbound

In FY 2013, using a scholarship system, we are planning to accept up to 100 international students for the "Global Japan curriculum" courses.



Activities of TWINCLE students in Indonesia

	2012	2013	2014	2015	2016
Outbound	39	80	80	80	80
Inbound	0	16	16	16	16

Note : FY2012 results, FY2013 -2016 planned

■ Development of Student-Support System

○ Chiba University's policy to employ special assistant professors in the IEC Office

Specially appointed staff have been assigned to the Chiba University International Exchange Centre (IEC Office). In addition special coordinators have been appointed to the participating universities for local support. Further, we increased the number of special assistant professors from two to four. For the duration of the trial and short courses, these specially appointed staff provide practical and educational support and guidance so that the exchange activities in the ASEAN countries may be carried out safely and effectively.

○ Working together with the International Support Desk (ISD) to spread the TWICLE exchange program throughout the whole university

Together with the ISD, we are planning to set up a university-wide system for sending and receiving exchange students.

■ Visualization of the Content of Education, Dissemination of the Outcomes

○ Making the syllabus public, providing information on the Homepage <http://www.twincle.jp/>

Regarding the classes taken by the students, a special secretary (Amanuensis) is employed to enhance the support system. She will publish the syllabus and details about students completing the courses in both printed form and on the homepage in order to provide transparency. We will also make the contents of our program public, for example, by holding a symposium.

○ Evaluation by an external evaluation committee

The program will also be evaluated by outside groups, such as the Educational Exchange section of the Japan Association of Corporate Executives. Based on their advice and suggestions, we will make further improvements to the program.

【Name of project】(Adopted year: FY2012, Category II)

Twin College Envoys Program (TWINCLE)

【Aim of project, Ideals of Global Human Resource on the project】

To facilitate development of teachers' and researchers' global perspective through internship.

【Summary of project】 We aim to develop a program by pairing up graduate students who are skilled in educational research with those who are adept in cutting-edge practical scientific research. We prepared a curriculum that promotes international cooperation, and implement its goals by sending graduate and undergraduate students from different academic disciplines to study at universities located in ASEAN countries. Students acquire academic credits for their teaching and research activities in the program.

Forming the University Network with Quality Assurance

Establishing the TWINCLE Consortium

We established the TWINCLE Consortium with our twelve partner universities in five ASEAN countries. The consortium improved the program to promote student exchange.

Concluding the MOA between our partner universities and Chiba University

We concluded the MOA with our partner universities in order to jointly implement the TWINCLE Program.

Developing teaching materials by Active Learning

Students can develop their teaching materials by Active Learning in Academic Link Center or English House in Chiba University. Through "W-Mentors system", they are supervised by two professors from science and education, respectively.

Contents of the Programs, Preparation for the Start of the Programs

〈 A science class in high school in Indonesia 〉



Student exchange by developing teaching materials and conducting lessons in science

Units of students majoring science and education worked collaboratively to develop and improve scientific teaching materials with ASEAN partner universities' students. They conducted science lessons for school pupils in ASEAN countries.

"Two-way" TWINCLE Program

ASEAN partner universities' students are scheduled to visit schools in Japan and conduct science lesson practices for school pupils. The activities enhance mutual understanding among the ASEAN and Japanese next generations.

〈The 3rd TWINCLE Consortium & The 2nd TWINCLE Final Presentation〉



Student-Mobility

Outbound

In FY 2012, we sent 39 students by 2-week course. In FY 2013, 59 by 2-week course, 14 by 1-month course and 3 by 3-month course. We unwillingly canceled a program in Thailand due to the political instability but sent the students to Indonesia instead.

Inbound

In FY 2013, we accepted 84 students from ASEAN partner universities. In FY 2014, we are planning to accept international students up to 100 men-month.

	2012	2013	2014	2015	2016
Outbound	39	76	84	84	84
Inbound	0	84	20	20	20

Note : FY2012-2013 results, FY2014 - 2016 planned

Promotion of Student-Mobility Environment

Students support system by staffs in IEC office and special assistant professors

We, special assistant professors of the program, developed a students-support system with International Exchange Center of Chiba University (IEC) in the partner universities.

Promotion of internship among Chiba University and ASEAN universities through TWINCLE Office and ISD

TWINCLE Office and the International Support Desk (ISD) assist international students in Chiba to promote the TWINCLE exchange program.

Visualization of the Content of Education, Dissemination of the Outcomes

Making the syllabus public, providing information on the website, facebook and twitter

We disclosed the syllabus and details enrolled of students in both printed and electronic forms. We are uploading our activities on website, facebook and twitter.

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(A science class in Indonesian high school)

Forming the University Network with Quality Assurance

Teaching materials development by Interdisciplinary Active Learning

Students can develop their teaching materials through Active Learning in Academic Link Center or English House at Chiba University. This material development process provided insightful reflection for students through interdisciplinary approach between science and education field.

Global Japan Curriculum

By joining this program, both Chiba students and ASEAN university students also acquired academic credit.

Expanding of the TWINCLE Consortium

As a continuation of the MOA which has been signed previously, we established TWINCLE Consortium with our twelve partner universities in five ASEAN countries. The implementation of TWINCLE consortium has enhanced the program to promote student's exchange initiative.



Contents of the Programs, Preparation for the Start of the Programs

〈 ASEAN students science education activity〉

Student exchange by developing teaching materials and conducting lessons in science

Groups of students majoring science and education worked collaboratively to develop and improve scientific teaching materials based on cutting-edge science with ASEAN partner universities' students. Later, students conducted science lessons for high school students in ASEAN countries. Throughout the fiscal year, 12,000 high school students from ASEAN have received this science lessons.

"Two-way" TWINCLE Program

ASEAN partner universities' students are scheduled to visit schools in Japan and conduct science lesson practices for elementary school students. The activities enhance mutual understanding among the ASEAN and Japanese next generations.



Student-Mobility

Outbound

In FY 2014, we sent 84 students by 2-week course to all of our twelve partner universities in five ASEAN countries. Despite political instability occurred in Thailand last year, in this fiscal year all partner universities in ASEAN able to accept students from Chiba University

Inbound

In FY 2014, we accepted 67 students from ASEAN partner universities. 18 of them participated in a long course program and undertook collaborative research study.

	2012	2013	2014	2015	2016
Outbound	39	76	84	96	96
Inbound	0	84	67	28	28

Note : FY2012-2014 results, FY2015 - 2016 planned

Promotion of Student-Mobility Environment

Students support system by staffs in IEC office and special assistant professors

We, special assistant professors and support staff of the program, developed a students-support system with International Exchange Center of Chiba University (IEC) in the partner universities.

Promotion of internship among Chiba University and ASEAN universities through TWINCLE Office and ISD

TWINCLE Office and the International Support Desk (ISD) assist international students in Chiba to promote the TWINCLE exchange program.

Internationalization of the university

Information disclosure and Publication of outcome

Enhancing of the globalization of academic and administrative faculty members

Since the beginning of the program, approximately there have been more than 500 faculty members (academic and administrative) participated in frequent exchange of visits between Chiba University and ASEAN partner universities.

Making the syllabus public, providing information on the website, Facebook and Twitter

We disclosed the syllabus and details enrolled of students in both printed and electronic forms. We are uploading our activities on website, Facebook and Twitter.

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■ Forming the University Network with Quality Assurance

(A science class in Indonesian high school)

○ Expanding of the TWINCLE Consortium



As a continuation of the MOA which has been signed previously, we established the TWINCLE Consortium with our twelve partner universities in five ASEAN countries. The implementation of TWINCLE consortium has enhanced the program to promote student's exchange initiative.

○ Global Japan Curriculum

By joining this program, Chiba students also acquired academic credit which can be used for their degree completion.

○ TWINCLE international symposium for interdisciplinary Education

International symposium on education was held and participated by TWINCLE consortium members from 5 countries, 12 universities and 30 high schools. One of the partner Universities, University San Carlos from Philippine also joined the symposium.

■ Contents of the Programs, Preparation for the Start of the Programs

(ASEAN students science education activities)



○ Student exchange by developing teaching materials and conducting lessons in science

Groups of students majoring science and education worked collaboratively to develop and improve scientific teaching materials based on cutting-edge science with ASEAN partner universities' students. Later, students conducted science lessons for school pupils in ASEAN countries. Throughout the fiscal year, 12,000 high school students from ASEAN have received this science lessons.

○ Practical steps to NEXT TWINCLE program

During the International symposium, we discussed future vision of TWINCLE program. ASEAN partner universities' professors presented several new joint program for expanding TWINCLE activities after the support. According to our discussion, we shared our future direction of NEXT TWINCLE program.

■ Student-Mobility

○ Outbound

In FY 2015, we sent 90 students by 2-week course only to ten partner universities in ASEAN. Due to security reason in Thailand and Indonesia last year, student cannot be sent into two partner universities, Mahidol University, Thailand and Udayana University, Indonesia respectively.

○ Inbound

In FY 2015, we accepted 59 students from ASEAN partner universities. 15 of them participated in a long course program and undertook collaborative research study.

	2012	2013	2014	2015	2016
Outbound	39	76	84	90	96
Inbound	0	84	67	59	28

Note : FY2012-2015 - FY2016 planned

■ Promotion of Student-Mobility Environment

○ Students support system by staffs in IEC office and special assistant professors

We, special assistant professors of the program, developed a students-support system with International Exchange Center of Chiba University (IEC) in the partner universities.

○ Promotion of internship among Chiba University and ASEAN universities through TWINCLE Office and ISD

TWINCLE Office and the International Support Desk (ISD) assist international students in Chiba to promote the TWINCLE exchange program.

■ Internationalization of the university

Information disclosure and Publication of outcome

○ Enhancing of the globalization of academic cooperation of research activity

The student exchange program is activating collaboration between Universities. Long course students studied their thesis research under joint supervision system and some of their works published on international research journal.

○ Making the syllabus public, providing information on the website, Facebook and Twitter

We disclosed the syllabus and details enrolled of students in both printed and electronic forms. We are uploading our activities on website, Facebook and Twitter.

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■ Forming the University Network with Quality Assurance

○ Expanding of the TWINCLE Consortium

As a continuation of the MOA which has been signed previously, we established the TWINCLE Consortium with our twelve partner universities in five ASEAN countries. The implementation of TWINCLE consortium has enhanced the program to promote student's exchange initiative.

○ Global Japan Curriculum

By joining this program, Chiba students also acquired academic credit which can be used for their degree completion.

○ TWINCLE international symposium for interdisciplinary Education

International symposium on education was held and participated by TWINCLE consortium members from 5 countries, 12 universities and 30 high schools. One of the partner Universities, University San Carlos from Philippine also joined the symposium.

〈Microteaching at Kasetsart attached High school〉



■ Contents of the Programs, Preparation for the Start of the Programs

〈 Collaboration: discussion for class development 〉

○ Student exchange by developing teaching materials and conducting lessons in science

Groups of students majoring science and education worked collaboratively to develop and improve scientific teaching materials based on cutting-edge science with ASEAN partner universities' students. Later, students conducted science lessons for school pupils in ASEAN countries. Throughout the fiscal year, 16,000 high school students from ASEAN have received this science lessons.

○ Practical steps to NEXT TWINCLE program

During the International symposium, we discussed future vision of TWINCLE program. ASEAN partner universities' professors presented several new joint program for expanding TWINCLE activities after the support. According to our discussion, we shared our future direction of NEXT TWINCLE program.



■ Student-Mobility

○ Outbound

In FY 2016, we sent 73 students by 2-week course in ASEAN. We conduct the TWINCLE activity with all 12 partner Universities.

○ Inbound

In FY 2016, we accepted 36 students from ASEAN partner universities. Three of them participated in a long course program and undertook collaborative research study.

	2012	2013	2014	2015	2016
Outbound	39	76	84	90	73
Inbound	0	84	67	59	36

■ Promotion of Student-Mobility Environment

○ Students support system by staffs in IEC office and special assistant professors

We, special assistant professors of the program, developed a students-support system with International Exchange Center of Chiba University (IEC) in the partner universities.

○ Promotion of internship among Chiba University and ASEAN universities through TWINCLE Office and ISD

TWINCLE Office and the International Support Desk (ISD) assist international students in Chiba to promote the TWINCLE exchange program.

■ Internationalization of the university

Information disclosure and Publication of outcome

○ Enhancing of the globalization of academic cooperation of research activity

The student exchange program is activating collaboration between Universities. Long course students studied their thesis research under joint supervision system and international research collaboration works were published on international research journal.

○ Making the syllabus public, providing information on the website, Facebook and Twitter

We disclosed the syllabus and details enrolled of students in both printed and electronic forms. We are uploading our activities on website, Facebook and Twitter.