Cooperational Graduate Education Program for the Development of Global Human Resources in Energy and Environmental Science and Technology - A New Challenge -

【Name of project】(Adopted year: FY2016, (Type A-①) CAMPUS Asia)

【Summary of Project】
The here-proposed new program takes over the previous purposes. Moreover it challenges following new three targets;
(1) Fixation and operation of the DD program developed in the previous CA program as a regular program
(2) Operation of Summer School as an open program with trial to charge school fees from students exterior of the EEST course
(3) Realization of double degrees or joint degree (DD/JD) in doctoral course as a pilot program with quality assurance in awarding DD/JD as well as Credits given in the program to regularize the DD/JD program in their graduate schools and to extend the program to involve more students with openness, progressiveness and universality in science and engineering field.

【Summary of Exchange program】

Organization and annual schedule are given in the down side figures. For DD course students in master course, one semester exchange and attendance of two times of Summer School (SS) are mandatory. Accordingly 30 - 36 DD students in total (10-12/each university) will stay at Host Universities and 66-72 (except the first year) attend SS annually. Some will attend a research seminar named CSS Seminar. CSS Seminar is organized mainly for doctoral course students and 10-20 students from each university will attend. In addition to that, exchange program for doctoral course students will be established for the future DD/JD program.

【Global Human Resource on the project】
We aim to cultivate human resources who possess
(1) highly specialized expertise and research development skill based on the expertise,
(2) understanding of current energy and environmental issues and progressive investigation skill,
(3) globally-competent English language skill,
(4) professional ethics required for researchers and engineers in the globalized era as well as understanding of different cultures/races/societies.

【Feature on the project】
This program is designed to be fully quality-assumed graduate educational system and to enable awarding DD for the cultivation of globally-competent human resources in EEST who have profound knowledge of the specialized and related fields of EEST as well as ability of practical application of the expertise globally. After 4 years of the program operation, 72 students were awarded DD until March 2017.

【Exchanged Students】

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1. FY2016 Progress

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■ Exchange Programs

◆ Spring Seminar in SJTU
12 KU students joined Spring Seminar hosted by SJTU in April.

◆ Summer School in PNU
29 students participated in Summer School hosted by PNU. Interim Appraisal was conducted for M2 students as one of the processes for DD.

◆ CSS EEST 18th Seminar in SJTU
49 students including doctoral students joined CSS EEST seminar hosted by SJTU to share research interests and exchange opinions.

◆ Student exchange of Master course
10 DD students were accepted and 7 DD students were dispatched for one semester as the student exchange program. Credits were transferred to/from each university.

◆ Student exchange of Doctoral course
As a trial run for the implementation of DD/JD program, 1 Doctral course student was dispatched and 5 students were accepted.

◆ Joint International Symposium with Yonsei University (SKY 3rd) in KU
As the series of the SKY symposium, KU hosted 3rd symposium inviting some professors from Yonsei University.

◆ CA 2nd stage Kick-off Symposium in KU
KU hosted Kick-off Symposium to relaunch CA program in FY 2016.

◆ Spring Seminar and Field trip to Kagoshima
KU conducted Spring seminar and field trip to Kagoshima right after Kick-off Symposium with PNU and SJTU members for 3 days.

■ Student-Mobility

◆ Outbound
Total of 102 students including 7 DD students were dispatched.

◆ Inbound
Total of 50 students including 10 DD students were accepted.

■ Forming the University Network with Quality Assurance

◆ International PDCA committee meeting
PDCA Meeting was held 4 times to discuss several issues.

◆ Signing ceremony for the MOU at the Kick off Symposium
For extension of students exchange agreement aiming DD (MOU), the signing ceremony was held at the Kick-off symposium. Three representatives of consortium universities were attended.

■ Promotion of Student-Mobility Environment

◆ Financial Aids and supports on Daily life
  • Scholarship was paid to each students by JASSO program.
  • DD students were exempted to pay tuition fee and matriculation fee to a host university under the agreement.
  • Detailed information and supports were given to each student at the start of the stay in a foreign country.

■ Internationalization of the university

Information disclosure and Publication of outcome
CA was awarded MEXT Minister's Award in Engineering Education

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