CEP@SIT2022
Cross-cultural Engineering Project (CEP)

Global, Industrial, and Community Cooperative PBL

Qualification / Participating student must :

- be Bachelor 3rd year or higher up to 2nd year of graduate program
- be a student of SIT partner universities (check SIT partners) *need nomination letter from home university
- have a good English skill to work in a group of students from different countries (CEFR B2 equivalent or higher)

Objective

the objective is to develop problem-solving skills to obtain overall optimal solutions through Cross-cultural Engineering Project (CEP), an international and interdisciplinary project team exercise. The CEP is an exercise based on Global Project Based Learning and is conducted in three regions around the world. In Japan, CEP@SIT is conducted as an industry-university-community cooperative project with graduate students, 3rd and 4th year undergraduate students from Southeast and East Asia and EU. Themes are set based on issues raised by companies and local communities. In order to realize the set theme, project teams analyze objectives, needs, and technologies, and conduct comprehensive problem solving from the definition of requirements by making full use of "systems thinking," "systems methods," and "systems management. The program of this exercise is consisted of (1) ice-breaking and team formation, (2) theme determination, requirements analysis, and goal setting, (3) evaluation plan and budget plan development, (4) Design Review (DR), (5) activities based on the plan, and (6) final presentation (FP).

Application Deadline:
Oct. 13, 2022
With full application documents

Period: December 14, 2022 (Wednesday) - December 23, 2021 (Friday)
Place: Omiya campus of SIT and NASU Kougen (field trip) *face-to-face
# of Participants:
A few students from each university.
Total 60 participants expected including SIT students.
SIT staff: Prof. Mano, Prof. Murakami, Prof. Watanabe, Associate Prof. Ichikawa, Prof. Hasegawa, 5 SIT supporting students
Team: 1 team (2 SIT members + 2 partner universities x 2 = 6 members)
Language: English, but communication using electronic dictionaries and various devices and services (Internet, smart phones) is acceptable.

Estimated cost of the program : Under estimation (Approx. 150,000JPY NOT incl. airfare, travel insurance) * 135,000JPY was estimated in year 2019 (NOT incl. airfare and travel insurance)
Participants are responsible for airfare, travel insurance, accommodation, daily transportation, food, other personal expenses during the program.
Accommodation: Participants are to find accommodation *reference list is provided.

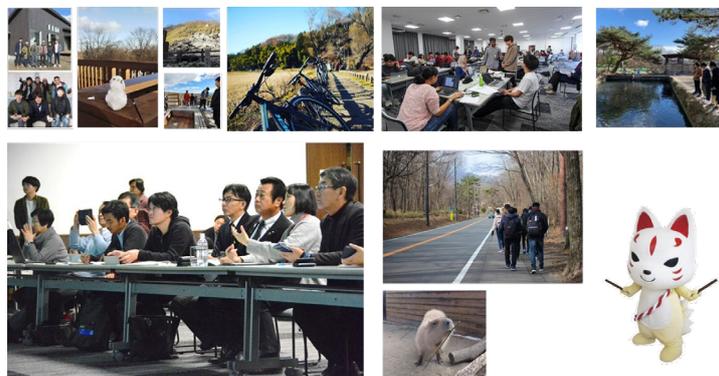**Reference:** http://syllabus.sic.shibaura-it.ac.jp/syllabus/2022/din/131641.html.en?y=2022&g=5F0

Schedule (tentative): *subject to change   *the period of the field trip to Nasu may change

Day				Project activities
Pre Process		Web form		1st outcomes assessment (Rubric) Presentation document for project themes (5 pages) from companies & communities Team-Forming questionnaire
Day 1 Wed. 12/14	Omiya campus	AM	Opening	Opening ceremony and guidance Self introduction by Prof., Staffs & TAs and Icebreaking Group announcement
		PM	Confirmation of theme	Give details of theme for each group from companies & communities
Day 2 Thu. 12/15		ALL	Business model via Ideason	Requirement analysis & definition. Goal setting Making business model Schedule & budget planning of protyping for realizied its model Preparation for Design Review
Day 3 Fri. 12/16				
Day 4 Sat. 12/17	NASU Kougen	AM	Move	Move to NASU kougen Lunch
		PM	DR	Welcome speech from NASU and guidance **Design Review (DR) for business model** Group performance show after dinner
Day 5 Sun. 12/18		ALL	Prototyping via Hackathon	Discussions with stakeholders in the NASU kougen area Site visit in the NASU kougen area Setting specification of prototypes via stakeholder needs and DR's comments Prototyping via hackathon
Day 6 Mon. 12/19				
Day 7 Tue. 12/20		AM	Need finding	**Prototype launch event for project stakeholders**
		PM	Move	Move to Omiya Campus
Day 8 Wed. 12/21	Omiya campus	ALL	Prototype Improvement	Prototype improvements for launch event's comments from project stakeholders Remake business model based on new prototype
Day 9 Thu. 12/22				
Day 10 Fri. 12/23		AM	Presentation and closing	Preparation of the final presentation
		PM		**Final Presentation** Closing ceremony
Post Process		Web form		Report of Expenditures and 2nd Outcomes assessment, PROG competency test

Application: Deadline / Thursday, October 13, 2022

The application form must be submitted through an international office at students' home university.   The application documents are below (refer to the designated application forms)

1. Nomination (member) list per university
2. Application form per student
3. Nomination letter per student
4. Official transcript of past one(1) academic year for scholarship screening
5. Passport copy
6. Photo

● Scholarship will be provided to the participating students based on the screening result.
● More documents will be required after confirming the participation.

Submit to : inbound-short@ow.shibaura-it.ac.jp   * no individual application is accepted.