



Designed by



SIT

SHIBAURA
INSTITUTE OF
TECHNOLOGY

CEP@SIT2026

Cross-cultural Engineering Project (CEP)

Industry-Community-University-Finance Collaboration

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)

Application Deadline:

September 30, 2026

With full application form and documents

Objective:

The objective is to develop problem-solving skills to obtain overall optimal solutions through the 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 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) problem understanding—Story of self, Requirement Quality Deployment, Empathy Map, Story of us, Gathering needs and technologies, and Story of now, (3) problem solving—QFD, Cross-SWOT, Goal setting, CDSSforDX for innovative solution using generative AI, (4) Design Review (DR), (5) activities based on the prototype, and (6) final presentation (FP).

Period: December 8, 2026 (Tue) – December 17 , 2026 (Thu)

Place: Face-to-Face at Omiya campus of SIT and NASU Kougen

Participants: **3 undergraduate and graduate students from your university.** Total 60 participants expected. 20 students from Shiba Institute of Technology and 40 students from partner universities.

Faculty/TA: Professor Mano, Professor Murakami, Professor Watanabe, Professor Ichikawa, Professor Hasegawa, 5 SIT TAs

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.

Accommodation: Participants are to find accommodation *reference list is provided.

(No need to reserve for Days 5-7. The field trip to Nasu is expected.)

* Participants are responsible for airfare, travel insurance, accommodation payment incl. Days 5-7, daily transportation, food, and other personal expenses during the program.

Day				Activities
Day 1 Tue. 12/08	OMIYA campus	AM	Opening	Opening ceremony and guidance, 1st outcomes assessment Self introduction by Prof., Staffs & TAs and Icebreaking, Group announcement
		PM	Problem Understanding	Making the Story of Self by the Public Narrative Creating the Requirement Quality Deployment (RQD) tree from communities and companies' issues
Day 2 Wed. 12/09		AM		Making the Empathy Map by us Deploying the Scenario Graph in WorldCafé for speaching the Story of Us
		PM	Gathering needs and technology via fieldwork of current analysis Making the Story of Now	
Day 3 Thu. 12/10		AM	Problem Solving	Goal setting, and creating QFD. Decision-making for direction of business & technologies by Cross-SWOT
		PM		Improvement on QFD and deployment of innovative solutions using generative AI
Day 4 Fri. 12/11		AM		Making a budget plan and preparing for the Design Review
		PM	DR	Design Review (DR)
Day 5 Sat. 12/12	NASU workcation	ALL	NASU workshop	Move to NASU Town Workshop for Nasu Group performance show after dinner
Day 6 Sun. 12/13		AM	Presentation	Proposal launch event for NASU Town
Day 7 Mon. 12/14		PM	Move	Move to Omiya Campus
Day 8 Tue. 12/15	OMIYA campus	ALL	Prototype	Prototyping based on project stakeholders' comments
Day 9 Wed. 12/16		ALL		Improvement of innovative solution through prototype evaluation results
Day 10 Thu. 12/17		AM	Presentation and closing	Preparation of the final presentation Report of expenditures and 2nd outcomes assessment
		PM		Final Presentation and Closing ceremony

Application: Due on September 30, 2026

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Apply from: <https://forms.cloud.microsoft/r/pAQwhaWDk6>

*Please submit the individual application by each applicant.