

Overview of the 1st Monitoring Results Tokyo Institute of Technology

Japanese Program Provider		Tokyo Institute of Technology, Interdisciplinary Graduate School of Science and Engineering
Partners	China	Tsinghua University, Department of Chemical Engineering
	Korea	KAIST, Department of Mechanical Engineering
Program Name		TKT CAMPUS Asia Consortium

Overall conclusion

The goals of academic program (Criterion 1) are advanced. The participating universities established the goal of educating global human resources with excellent groundings in science and technology through the creation of a cooperative framework for education and research among science and technology universities in East Asia. The detailed planning of the program through careful discussions among the participating universities, including the development and preparation of forms for a Study and Research Plan and a Study and Research Record, is an advanced effort.

With respect to *the organization and staff* (Criterion 2-1), the fact that the three universities have established Implementation Guidelines and actually implemented initiatives based on those guidelines are advanced activities. *The contents of academic program* (Criterion 2-2) are advanced, with the universities having developed classes and research projects ranging from basics to cutting-edge content as well as an off-campus hands-on program based on the concept of gradually stepping up the level of learning and research through undergraduate, master's and doctoral programs. The *credit transfer and grading system* (Criterion 2-4) is advanced, with the three universities having shared information on the credit systems in the participating universities and held discussions with each other and having agreed to precise and substantial definitions.

Good practices

- This program aims to contribute to the career formation of top leaders by providing guidance to students from their undergraduate years through the completion of master's or doctoral degrees. By expanding students' horizons through cross-cultural exchange while staying at a research laboratory in another country, the program nurtures independent human resources who will be active internationally. A Study and Research Plan and a Study and Research Record are created for both inbound and

outbound students.

- A characteristic of the program is that requirements are put together in a set of Implementation Guidelines shared by all three universities. The contents cover 15 matters including implementation structure, forms of exchange, and selection within the school.
- The framework of (a) semester-long exchanges with course study and/or lab work, (b) summer programs, and (c) research-oriented joint educational programs corresponds to the educational and research level of the participating students. For example, upon consultation among the three universities regarding the establishment of a curriculum in which credits can be earned, they developed a program offering classes and research projects in which students can study topics ranging from the basics all the way up to cutting-edge science and technology, taking into consideration the participating students’ specializations and levels, and also offering opportunities to learn the culture and language of the host country. Furthermore, the three universities also implemented a program that enables students to gain real-life experience in the host country’s culture and leading-edge R&D centers off-campus.