

FY2015 Re-Inventing Japan Project The University of Tokyo, Tokyo Institute of Technology

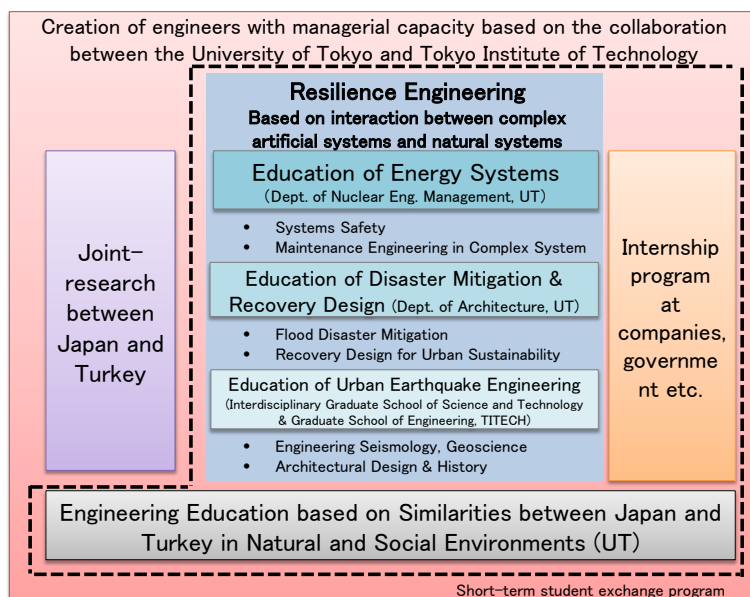
Support for the Formation of Collaborative Programs with Latin America and the Caribbean, Turkey

【Name of Project】 (Adopted year: FY2015, Country (Turkey))

Japan-Turkey Cooperative Program on Resilience Engineering for Energy and Urban Systems

【Summary of Project】

Turkey has been experiencing a period of industrial transformation triggered by recent rapid economic growth in the country, including urban development due to increasing population as well as creation of electricity infrastructure due to energy demand increases. Cooperation between Japan and Turkey in the field of safety of energy and urban systems can generate synergy effects, since higher common grounds can be found between the two countries, e.g., that the two countries are located in one of the most seismically active regions in the world. In this project, top technical universities in both countries (The University of Tokyo, Tokyo Institute of Technology, Istanbul Technical University, Middle East Technical University and Bogazici University) will work together to create education and research centers for human resource development by creating engineers with managerial capacity.



【Summary of Exchange Program】

The exchange program creates a research and education centers for resilience engineering as well as earthquake engineering as the collaboration between the University of Tokyo and Tokyo Institute of Technology. It focuses on the performance of energy and urban systems, under the condition of severe natural environment like earthquake. The education program aims to produce a synergy effects between participating universities based on the common backgrounds between the two countries, e.g., the similarities in natural and social environments.

【Global Human Resource Development】

The project is expected to contribute to deepening the relationship between the two countries. The program provides both Turkish and Japanese students opportunities to increase their competence to be a leader in the field of engineering. Career paths of students completing this program are expected to be an engineering manager in public or private sectors, a researcher in research organizations, etc.

【Feature of the Project】

Resilience engineering is the core of this project, which deals with safety of complex systems, such as energy-related systems and urban systems. In the student exchange program, a copus-based study is introduced as a prior learning program. Internship program at companies or governmental organizations is also introduced as a supplement to classroom lectures.

【Number of exchange students】

	2015	2016	2017	2018	2019
Outbound	14	17	18	18	18
Inbound	16	19	19	19	19