

FY2017 Inter-University Exchange Project Hokkaido University

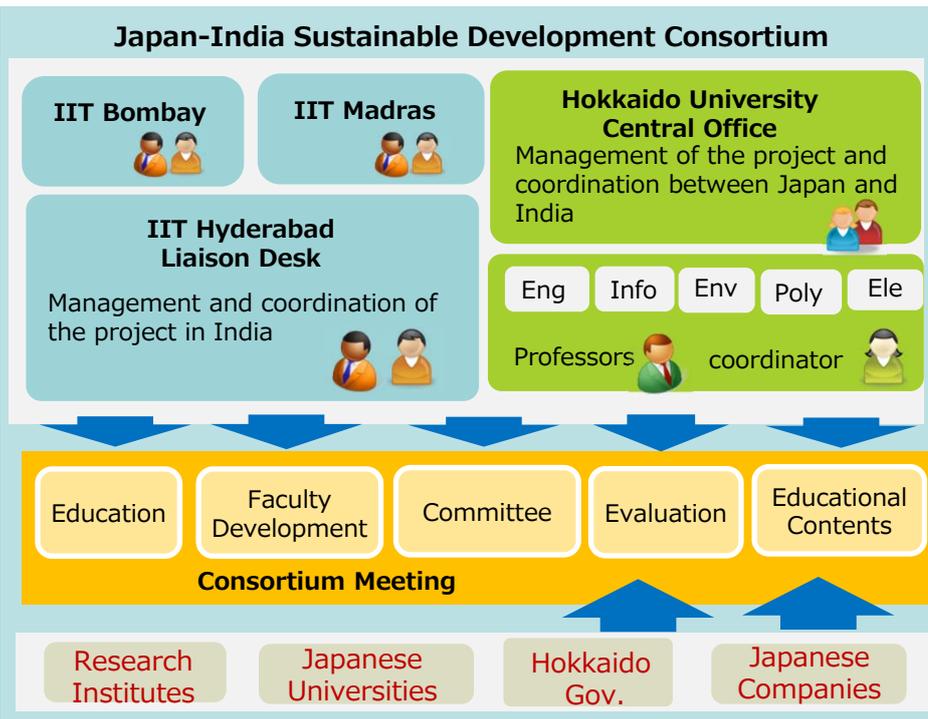
Support for the Formation of Collaborative Programs with Russian and Indian Universities

【Name of project】(Adopted year: FY2017, (Type A(India)))

International Research Skills Program for Developing Sustainable Transportation System and Infrastructure (STSI)

【Summary of Project】

This project aims at contributing to the development of human resources capable of playing central roles in the promotion of teamwork research between Japan and India for Developing Sustainable Transportation System and Infrastructure. Students participating in this program will study basic subjects and the language and culture of Japan/India. They will then set specific research themes and experience team research in each other's countries, and work together to achieve certain results for the set theme in a team comprised of students from both countries. This project also aims at establishing the Japan-India Sustainable Development Consortium with companies which promotes a continuing exchange between Japan and India.



Hokkaido University

- Engineering** Transportation, Infrastructure
- Information** Network, Big Data
- Environment** Environment, Sanitation
- Public Policy** Policy for Development
- Electronics** Energy, Big Data

Student Exchange

- 80 Indian students
- 80 Japanese Students



【Summary of Exchange program】

Students study basic subjects of this program as well as the languages and cultures. Students set specific themes and experience team research in each other's countries, and acquire "teamwork-type research skills" in a team comprised of students from both countries. Students are also able to study subjects in their own fields under the credit-exchange agreement. The international committee works to improve the quality of education of this project.

【Global Human Resource on the project】

This project aims at contributing to the development of human resources capable of playing central roles in the promotion of teamwork research between Japan and India for Developing Sustainable Transportation System and Infrastructure. It is important to consider not only the positive effects of the development but also the negative effects on the environment. Participants in this projects discuss various issues arising from the development during the teamwork activity.

【Feature on the project】

This project aims at establishing the Japan-India Sustainable Development Consortium with companies which promotes a continuing exchange between Japan and India.

【Exchange number】

	2017	2018	2019	2020	2021
Outbound	5	15	18	21	21
Inbound	5	15	18	21	21

1. FY2017 Progress

【Hokkaido University】

【Name of project】(Adopted year: FY2017, (Type A, (India)))

International Research Skills Program for Developing Sustainable Transportation System and Infrastructure (STSI)

■ Exchange Programs



〈Final presentation by students after internship〉

Students were dispatched and accepted for short-term internships at Hokkaido University and IIT Hyderabad and Madras from February to March, 2018. TV conference system were used so that students from both sides could participate in the preliminary basic course to learn program overview, information of each university, basic languages and culture of each other. Final presentation sessions at the end of internship were also held via TV conference system, and both side of supervisors could question and give comments to the students.

Call for FY2018 applications from IITs has been launched in February 2018, and 15 applicants are selected as planned. For HU students, recruitment information has been distributed by notices to participating schools, website, SNS and guidance.

Student-Mobility

○ Outbound

5 students (3 students to IIT Hyderabad and 2 students to IIT Madras) were dispatched for from 2 weeks to 1 month.

○ Inbound

4 students (2 from both IIT Hyderabad and IIT Madras) were accepted for from 2 weeks to 1 month.

Inter-university agreements have been concluded with all three IITs including IIT Bombay, and it therefore made participating institutions possible to dispatch to /accept from any schools other than School of Engineering of Hokkaido University from FY2018.

	2017	
	Plan	Results
Outbound	5	5
Inbound	5	4

■ Forming the University Network with Quality Assurance

International Steering Committee Meeting were held in January, 2018. Program overview was shared, agreements on consortium and liaison desk were made. Issues such as mutual dispatch, acceptance of students, program curriculum and credit transfer were discussed, and further collaboration between participating universities were agreed.

Curriculum and syllabus of basic courses of the program were prepared both in Japanese and English. FDs by invited instructors were held so that faculties could learn basic language and culture of India and a precedented exchange program with India conducted by another university. What have been learnt became good input to the preparation of basic courses.

Approval of credits and certification of program completion will be strictly managed by the International Steering Committee. Feedbacks from students about each subject and curriculum will be accumulated and evaluated for future improvement of this program.



〈International Steering Committee Meeting〉

■ Promotion of Student-Mobility Environment

Central Office has been established with three staff members in November, 2017 in order to handle administrative operations of the program, and started to coordinate with liaison desks of IIT partner universities. Stakeholders of partner universities were invited for the International Steering Committee Meeting held in January, 2018, and accepting environment at both sides were confirmed to prepare for student internships from February, 2018. Faculty members of Hokkaido University have visited IIT partners during February and March, and further discussed dispatch and acceptance beyond FY2018.

Trial classes for basic language and culture of both countries were offered to the students prior to their internships from February. Pre-departure orientation was also held for Japanese students, and Indian students were provided with introductory Japanese language and culture class upon their arrival to Hokkaido University.

Course information for FY2018 was announced and distributed through application call, guidance as well as the program website.

■ Internationalization of the university, Information disclosure and Publication of outcome

Program website and accounts for Facebook, Twitter, and Instagram have been opened and program overview, news, recruitment information, etc. in both Japanese and English have been announced. Brochures and PR movies were created for promotion towards IIT partner universities and new students.

Articles about the kick-off events in January, 2018 have been provided to the PR magazine and Japanese and English website of Hokkaido University, and to Bunkyo News for further publication of the program.

Faculties have learnt about basic language and culture of India and precedented program in the FDs conducted by invited instructors. Education and Exchange Study Group Meeting will be held in FY2018 so that experiences can be shared with other programs for further improvement of educational quality.

■ Good Practices

Participating students have learned program overview, information of IIT universities, and basic languages and cultures of each other through trial classes prior to their internships. For IIT students, it should be noted that their motivations towards internship were dramatically increased and their communications have been highly activated after having taken introductory Japanese language and culture classes which were provided during their stay at Hokkaido University. The basic courses both of Japanese and Indian languages and cultures will be provided by the program as regular courses from FY2018, and it is expected that those courses will contribute to improve communication skills of both Japanese and Indian students.