

Online Course: ILDP-START plus, 5th Batch: Science and Technology Applications to Social Issues for SDGs Achievement

1. OVERVIEW

This program is jointly organized with BITS Pilani, IITB, and Hiroshima University (HU). From HU, the faculty members of the School of Engineering (<https://www.hiroshima-u.ac.jp/en/eng/faculty>) deliver lectures.

*The ILDP-START plus, 6th batch will be held in December 2021. The lectures will be delivered by the faculties of the School of Science (<https://www.hiroshima-u.ac.jp/en/sci/school>) will deliver lectures. Gifu University and Indian Institute of Technology Guwahati are invited to this program for the first time.

MODE: Online (Microsoft Teams)

DURATION: 8 days (05/07/2021-14/07/2021)

*There's no official class on weekends.

*Please note that the duration may be earlier or later, depending on the situation.

BACKGROUNDS:

International Linkage Degree Program (ILDP) at HU was selected as one of the two programs of the Inter-University Exchange Project promoted by the Ministry of Education, Culture, Sports, Science and Technology, Japan (MEXT). This program offers a variety of educational programs, including the degree-based program for students of Indian institutions and HU. ILDP aims to provide students with opportunities to obtain a successful learning effect by an individual ability/skill or knowledge level.

PURPOSE OF ILDP-START *plus*:

Promoting science and technology is a key engine to materialize a bright future between India and Japan. It is vitally important to enhance the exchange of young researchers in both countries who have the potential to play a crucial role in those fields. ILDP-START *plus* is one of the programs in an entry course under the "India-Japan International Linkage Degree Program" (ILDP). This program aims at raising the interest and mutual understanding among youth scientists of Japan and India through the lectures and online lab visits provided by HU, IIT Bombay, and BITS Pilani. Interdisciplinary students will work as teams, discuss social issues in their countries, and find solutions using technologies and sciences.

2. CONTENTS

ILDP-START plus AY2021 is an intensive short online course, providing an introduction to the exciting and emerging field of cutting-edge technology of HU, IITB, and BITS Pilani. The Japan-India International Student Team will work on identifying current essential social issues, taking into account the similarities and differences between Japan and India, and discuss technical solutions. Lectures will be delivered by HU, BITS-Pilani and IIT-Bombay professors. In addition to that Gifu University professors will deliver lectures too.

Hiroshima University <https://www.hiroshima-u.ac.jp/en>

-Smart Robotics Lab. <http://www.robotics.hiroshima-u.ac.jp/>

-Transportation Engineering Lab. <https://seeds.office.hiroshima-u.ac.jp/profile/en.c27c423698841175520e17560c007669.html>

-Advanced Core for Energetics <https://hu-ace.hiroshima-u.ac.jp/en/>

-Thermal Engineering Lab. <https://hpthermo.hiroshima-u.ac.jp/index.html>

Indian Institutional Technology, Bombay (IIT Bombay) <http://www.iitb.ac.in/>

Birla Institute of Technology and Science, Pilani (BITS Pilani) <https://www.bits-pilani.ac.in/>

CERTIFICATE of COMPLETION

Participants are required to fulfill the following requirements to earn the “Certificate of Completion”:

1. Make a group presentation in the final session
2. Write an individual report on what the participant learned through the program.

3. Eligibility

ILDP-START *plus* is categorized in the entry course of ILDP programs. This program is open for undergraduate students of Gifu University and IITG.

Number of quotas: 4 students from Gifu University and IITG undergraduate students.

Eligibility: Students who;

- (1) enrolled in a regular course of study at home university;
- (2) have excellent academic and personal records at home university (GPA of 80/100 equivalent is desirable);
- (3) have a definite motivation and likely to benefit from participating in this program;
- (4) upon the termination of the period in HU, will resume or complete their studies at home university;
- (5) have basic PC skills and good English communication ability;
- (6) have an internet environment.

4. Necessary Cost

Participants will be responsible for the internet communication charge incurred for attending the online lectures.

5. Application Procedure

The application should be submitted to the applicant’s home institution. HU does not respond to direct applications and queries regarding the nomination.

Application Documents

Applicants are required to submit the following documents.

- (1) ILDP-START *plus* Application Form (Appended Form 1)
- (2) Personal Statement (Appended Form 2)
- (3) Official Academic Transcript (Grade Sheet) issued by the home institution

6. Selection Process

The primary screening of applicants will be conducted by the home institution. After the student nomination by the home institution, Hiroshima University will conduct secondary screening. Successful applicants are selected based on the comprehensive results of application documents screening.