

YOKOHAMA-SXIP 2024 August-September Invitation Program Overview

Period: August 27 (Tue) – September 6 (Fri), 2024

Participants:

- **Total Students:** 21 (16 from India, 5 from Australia)
 - Panjab University: 7
 - IIT Kanpur (IITK): 3
 - Anna University: 3
 - Vellore Institute of Technology (VIT): 3
 - University of Newcastle (UON): 3
 - Griffith University: 2
- **Faculty:** 3 from India (each 1 from Panjab University, IITK, and Anna University)

Summary

Despite concerns about the impact of Typhoon No. 10 and heavy rain, most scheduled events were successfully completed, with the exception of the industrial tour on September 3, which was shortened to half a day.

The academic program for students was divided into three stages:

1. Pre-arrival activities including watching general lecture videos
2. Online discussions in groups formed with host and dispatched students.
3. Participation in three lectures by guest speakers, followed by discussions in Japan.

For dispatched students from YNU (Yokohama National University), we introduced a new initiative on improving English language proficiency before the program. Those students showing interest in this initiative completed English training materials created by native faculty from the International Strategy Organization to strengthen their language skills before interacting with partner university students.

Group collaborative learning assignments included topics on:

- "Climate Change and Water Issues" by Toray Industries Inc,
- "Climate Change and Finance" by Nomura Securities Co. Ltd., and
- "Climate Change and Energy" by YNU.

These were assigned to different groups of students.

On September 5, Indian, Australian, and Japanese students presented their group collaborative learning outcomes. A "Best Presentation Award" was given, and the event concluded with a photo session, bringing a positive and enthusiastic end to the program.

Detailed Activities

August 27 (Tue):

- Arrival of 21 students from India and Australia, along with 2 faculty members from India.
- Students moved into the university dormitory.

August 28 (Wed):

- Orientation and JASSO scholarship receipt.

- The first themed lecture and group discussion:
 - Dr. Doi from JAMSTEC delivered a lecture on "Current Status and Future Projections of Climate Change."
- In the evening, a student-organized tour of transportation and shopping areas around Yokohama Station was conducted.
- The third faculty member from India arrived and joined the program.



The first themed lecture



Group discussion

August 29 (Thu):

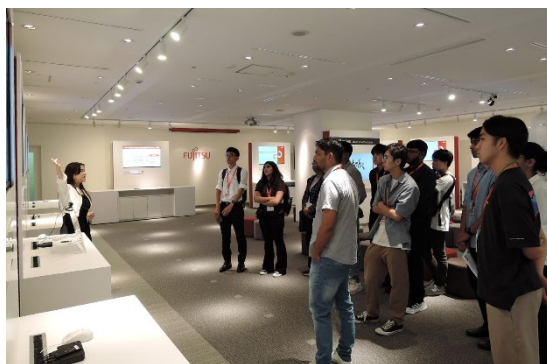
- Company visits with YNU students and faculty
 - Students and faculty from Panjab University and Anna University visited NOK Corporation (Fujisawa) and NHK Spring Co. Ltd. (Yokohama).
 - Students and faculty from IITK, VIT, UON, and Griffith University visited Fujitsu Limited (Kawasaki) and JFE Engineering Corporation (Yokohama).



NOK



NHK Spring



Fujitsu



JFE Engineering

August 30 (Fri):

- The second themed lecture and group discussion:
 - Prof. Urashima of Shinshu University delivered a lecture on "Efficient Use of Energy and Water for a Sustainable Future and Advanced Technologies."
- In the afternoon, a special international symposium was held.
 - The symposium was a joint project initiated by Anna University and supported by the Indian Embassy in Tokyo.
 - Key topics included the role of AI in developing sustainable solutions, covering AI for climate change mitigation and adaptation, smart sensing systems, robotics and

mechatronics, and AI in promoting circular economy and smart cities.



The second themed lecture



AI Symposium

August 31 (Sat):

- Student-organized cultural tour to Sankeien Garden, Yokohama Port Museum, Mitsubishi Minato Mirai Industrial Museum, and so forth.



Sankeien



Yokohama Port Museum

September 1 (Sun):

- Free day.

September 2 (Mon):

- The third themed lecture and group discussion:
 - Dr. Abdesslem Rabhi from IGES delivered a lecture on " Deepen the understanding about ESG Investing and Green Finance."
- In the afternoon, students participated in a lecture on Japanese culture and a campus tour.



The third themed lecture



Lecture on Japanese culture



Campus tour



Campus tour

September 3 (Tue):

- Students and Indian faculty visited Company CoorsTek GK (Hadano) for a facility tour.
- The afternoon trip to Hakone and Odawara was canceled due to heavy rain caused by the typhoon.



CoorsTek

September 4 (Wed):

- Morning: Students completed their final preparations for group collaborative presentations.
- Afternoon: Day 1 of the YNU International Symposium, with guest speakers' lectures and students' poster presentations summarizing their research.
- Evening: Colloquium for students and faculty, with discussions on symposium topics and poster content.



YNU Symposium



Poster session

September 5 (Thu):

- Morning: Day 2 of the YNU International Symposium, featuring lectures by partner university faculty and guest speakers.
- Afternoon: Group collaborative learning presentations by Indian, Australian, and Japanese students.
 - A "Best Presentation Award" was given to the top group, and certificates of participation were distributed.



Presentation



Closing

September 6 (Fri):

- Departure of students and faculty from India and Australia.