

APAIE 2024



PERTH, AUSTRALIA 4-8 MARCH 2024

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APAIE 2024



PERTH, AUSTRALIA 4-8 MARCH 2024

Collaborating for sustainable impact: partnerships across the Asia Pacific

APAIE Perth 4 - 8 March 2024



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Session 4F: Tues 5th March, 15:00 – 15:45

Sharing Outcomes from Inspiring Hybrid Mobility Program throughout Asia

Hiroyuki Ishizaki
Shibaura Institute of Technology, Japan

Isma Rosila Ismail
The Universiti Malaysia Terengganu, Malaysia

Cahyani Satiya Pratiwi
Institut Teknologi Sepuluh Nopember, Indonesia

Tomoko Kanda
College of Humanities & Sciences / Nihon University, Japan

Chair

Tomoko Kanda
College of Humanities & Sciences / Nihon University, Japan

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4F - Sharing Outcomes from Inspiring Hybrid Mobility Program throughout Asia

– Student Experience and Well-Being –

Prof. Hiroyuki Ishizaki (SIT Japan) - Dr. Isma Rosila Ismail (UMT Malaysia) -
Ms. Cahyani Satiya Pratiwi (ITS Indonesia) - Prof. Tomoko Kanda (Nihon University, Japan)

Tuesday, Mar 5, 2024 3:00 PM - 3:45 PM

1. Opening & Self-Introduction



Hiro Ishizaki
Visiting Professor
Shibaura Institute of
Technology, (SIT) Japan



Dr Isma Rosila Ismail
Senior Lecturer, Centre For
Fundamental And Continuing
Education, Universiti Malaysia
Terengganu, (UMT) Malaysia



Cahyani Satiya Pratiwi
Global Engagement,
Institut Teknologi Sepuluh
Nopember (ITS), Indonesia



Dr. Tomoko Kanda
Professor,
Nihon University (NU)
Japan

2. Learning Objectives

- To enhance Asian students' self-efficacy level based on Knowledge, Skills, Attitudes, and Value characteristics (KSAVs) model
- To encourage introvert students for attending international programs by overcoming mental fears, especially for those who belong to high context culture society (e.g., Japan).
- To assess the effectiveness of teaching method which combines technological subjects and social science topics.

2. Learning Objectives

[2nd half: Interactive Discussion]

- 1) How active is your institute in mobility programs? What are expected outcomes?
- 2) What are the issues of implementing mobility programs?
E.g., costs, contents, finding partners, curriculum, etc.
- 3) How do you assess participants' learning outcomes?

2. Hybrid Asia Exploration (HAX) Outline























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3. Hybrid Asia Exploration (HAX) Outline

6 Hosting Universities, from 5 countries

Multidisciplinary Curriculum

 <p>Dr. Maria Anityasari</p>	 Institut Teknologi Sepuluh Nopember  Shibaura Institute of Technology  King Mongkut's University of Technology Thonburi  Cebu Technological University  Universiti Malaysia Terengganu  Universiti Malaysia Perlis						<p>Field Studies In Surabaya </p> <p>Presentation at Vocational Schools</p> <p>Visiting Local Community</p> <p>Multinational group activities</p>	
	<p>Technology Lectures</p>	 Mr. Yosa Rosario	 Dr. Takumi Miyoshi	 Dr. Tassaneewan Laksanasopin	 Dr. Ronald M. Galindo	 Dr. Ahmad Nazri bin Dagang		 Dr. Mohamad Ezral Baharudin
	<p>Asian History & Culture</p>	 Dr. Arfan Fahmi	 Mr. Hiroyuki Ishizaki	 Dr. Passanan Assavarak	 Dr. Alvin Ropez	 Dr. Isma Rosila Ismail		 Mr. Muhammad Izmer Yusof

Experiential Learnings

3. Hybrid Asia Exploration (HAX) Outline

- Unique mobility program with hybrid/virtual modes
- Engineering + social science multidisciplinary curriculum
- Organized by 6 Asian universities
- Total 14 classes with (2 credit equivalent)
- Open for all universities around the world

HYBRID ASIA EXPLORATION (HAX)
Equivalent to 2 Credits*

Universiti Malaysia Perlis (UniMAP) | Cebu Technological University (CTU) | Universiti Malaysia Terengganu (UMT) | King Mongkue's University of Technology Thonburi (KMUTT) | Institut Teknologi Sepuluh Nopember (ITS) | Shibaura Institute of Technology (SIT)

16 Jun
• Learning Objectives / Expected Outcomes of this cultural program
• Overview of the history and cultural/scientific development in Asia

23 Jun
• Evolution of Robots: A Malaysian Perspective and Vision Ahead (UniMAP)
• Technologies for Point-of-Care Test (KMUTT)

30 Jun
• Innovative Technology for Sustainability (CTU)
• Understanding Technology & Advancement for Smart Farming (ITS)

07 Jul
• Technology Engineering "Electric Power: how power is it?" (UMT)
• Japanese Technology & Engineering, application of Electronic Information Systems to social issues (SIT)

17 Sep
• Free time or Bromo trip (optional)

16 Sep
• Surabaya City Tour
• Visiting Surabaya Kampong
• Visiting Surabaya Urban Farming

15 Sep
• Official remarks
• Program overview
• Campus Tour
• Traditional games

18 Sep
• Malaysian Culture and History: A Northern Region Focus (UniMAP)
• Culture & history of Thailand (KMUTT)
• Culture & history of The Philippines (CTU)

19 Sep
• Understanding Technology Acceptance for Smart Farming (ITS)
• Malaysian culture and history: an Eastern region focus (UMT)
• Culture & history of Japan (SIT)

20 Sep
• School Visit
• Visiting Surabaya SMEs Center

21 Sep
• Group Work Presentation
• Learning reflection
• Closing

Selection for On-site program

Call for Participants!
● carried out online ● carried out hybrid ● carried out on-site

Benefits
• ITS will cover accommodation, local transport during program, and program meals (on-site program)
• Certificates**
• Transcripts**
• International Networking

Application Deadline
11 June 2023

Contact Us
Prof. Hiroyuki Ishizaki (ishizaki.hiroyuki.n3@sic.shibaura-it.ac.jp)
Mr. Raynald (int_off@its.ac.id)

Eligibility
Open for all university students.
Limited only 20 participants per university.

Syllabus & Further Information
<https://its.id/HAX2023Material>

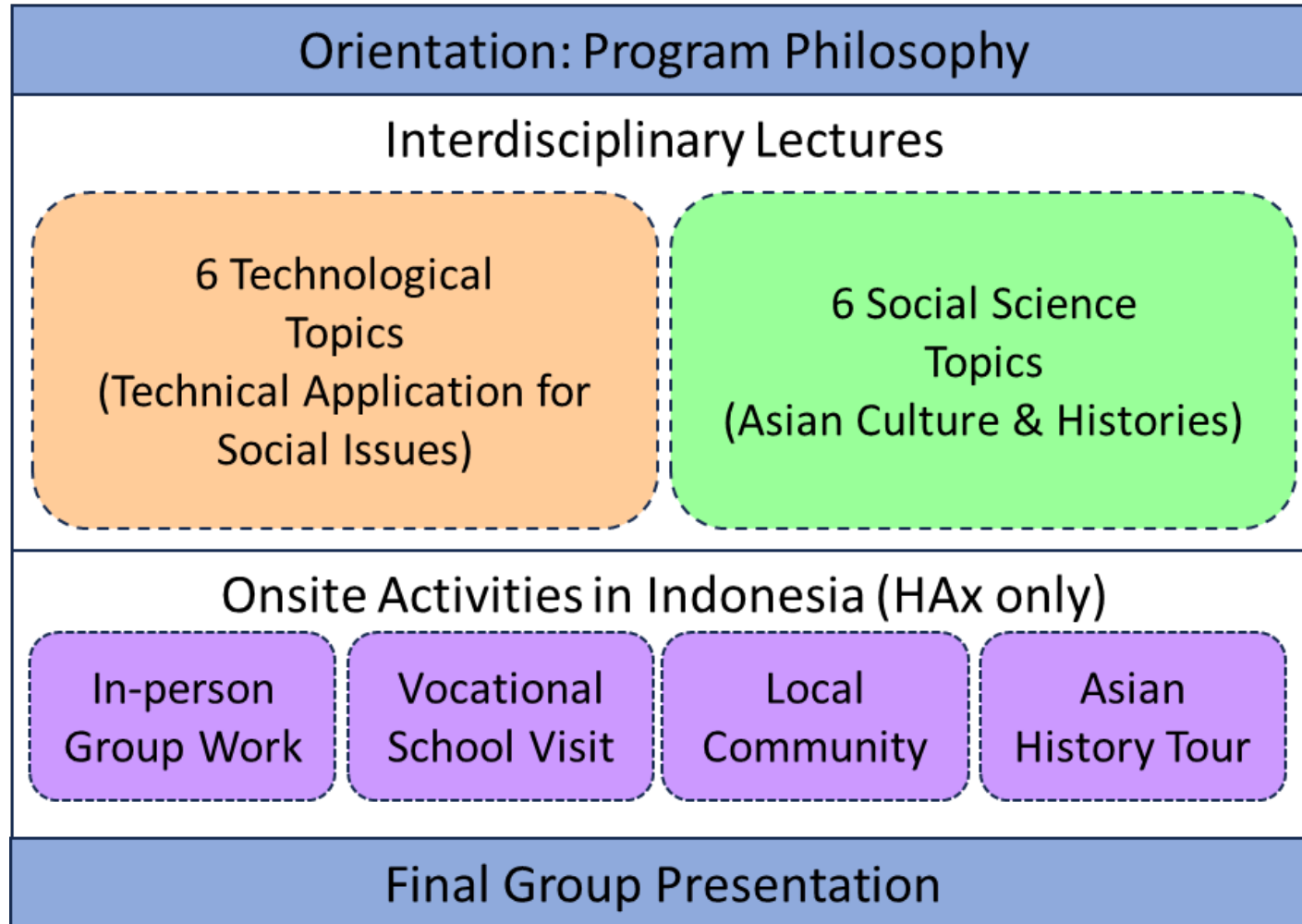
Schedule
Online Classes : 16 June - 7 July 2023
Hybrid Classes : 18 Sept - 19 Sept 2023
On-site program : 15 Sept - 22 Sept 2023

Program Fee
Online : Free
On-site : Exclude Bromo Trip USD 60
Include Bromo Trip USD 180

Register Here
QR Code
or visit its.id/HAX2023Registration

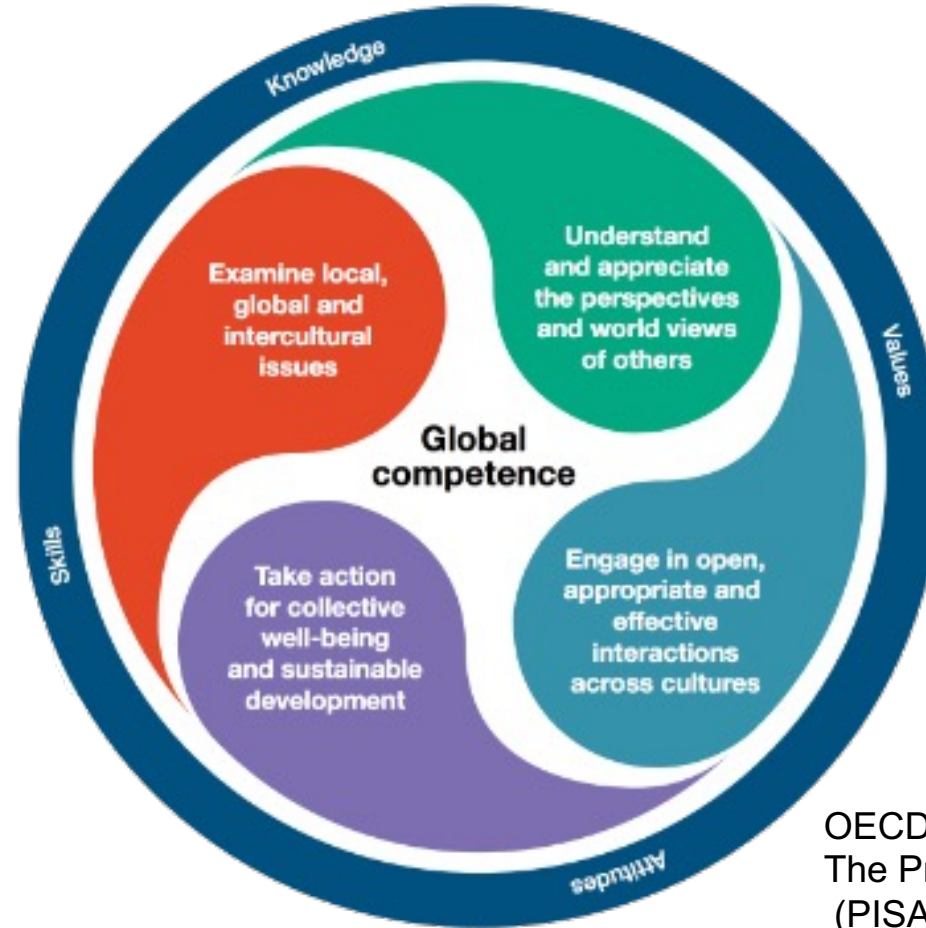
* Credit transfer depends on the policy of each home university
** Term & condition apply. Please kindly refer to the syllabus for further information.

3. Hybrid Asia Exploration (HAX) Outline



4. Problem Statement & Questions

*How to nurture
Global Competence
Through practical learning
experiences?*



OECD
The Program for International Student Assessment
(PISA) 2018 Global Competence
KSAV Framework

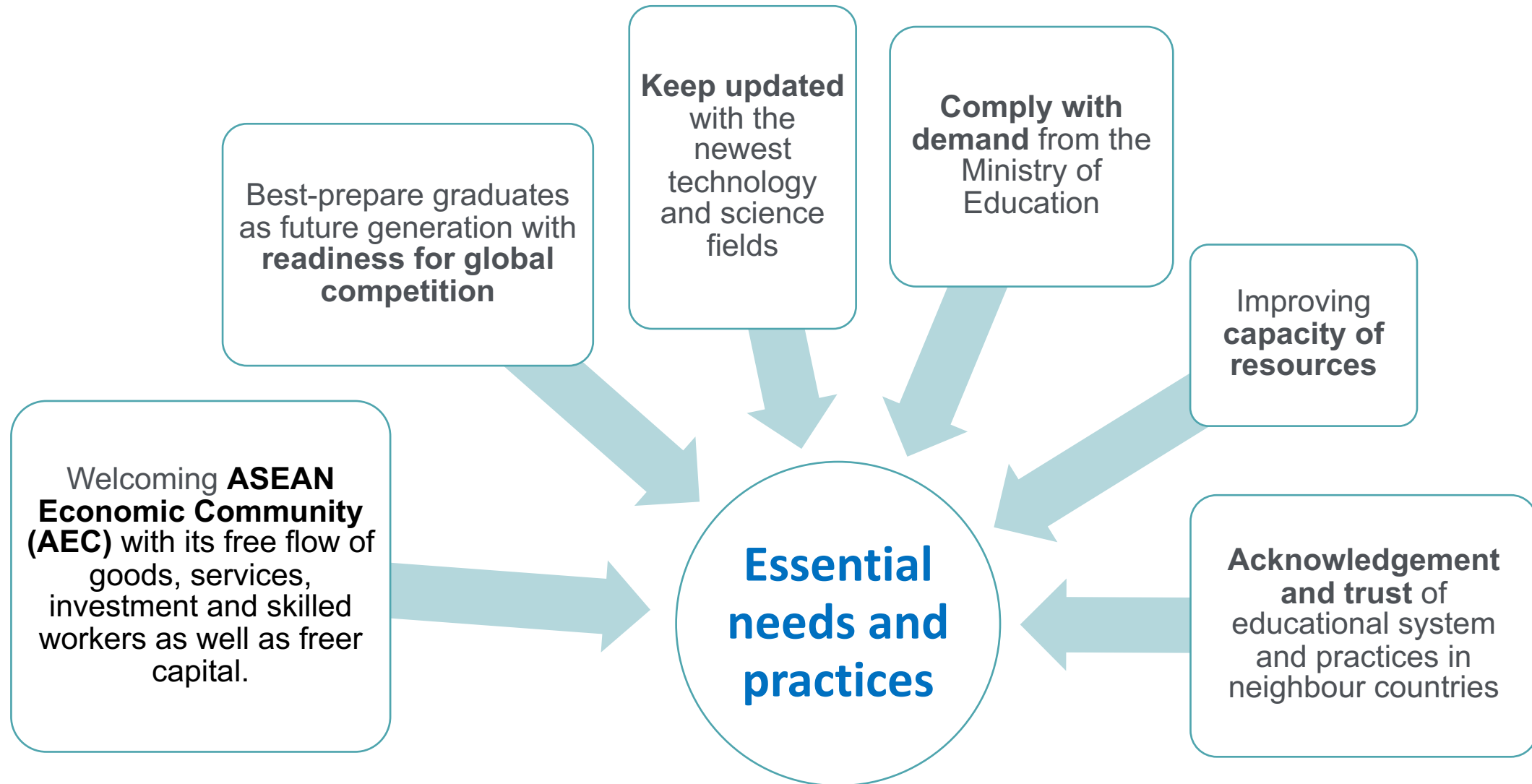
4. Problem Statement & Questions

“How to develop Washington Accord 11 Graduate Attribute Profile”

Washington Accord Graduate Attribute Profile

1. Engineering Knowledge
2. Problem Analysis
3. Design/development of solutions
4. Investigation
5. Tool usage
6. The Engineer and the World
7. Ethics
8. Individual and Collaborative Teamwork
9. Communication
10. Project Management and Finance
11. Lifelong learning

5. Trend of mobility programs in Asia (1/3)



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5. Trend of mobility programs in Asia (2/3)

Ongoing initiatives through international organization supporting mobilities such as:

ASEAN International
Mobility For Students
(AIMS)



Joint Workshop for
Global Engineers in
Asia



the Global
Technology
Initiative
Consortium



The 17th Annual Review Meeting of the Asian International Mobility for Students (AIMS) & International Relations Officers (IRO) Capacity Building Workshop
6 – 11 November 2023

Important Agenda:

- ✓ Targets on student mobility – reflection of 2023 and projection of 2024
- ✓ Discussion on activities to collaborate e.g. summer programmes, short programmes, USR activities, internships, dual programmes, research, and others
- ✓ Exploring micro-credentials and/or capacity building needs.
- ✓ How to strengthen the IRO network?
- ✓ How can IROs do an even better job to prepare the students to go on the exchange?
- ✓ Advice on the formation of AIMS Alumni Network

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5. Trend of mobility programs in Asia (3/3)

Challenges for coordinating mobility programs

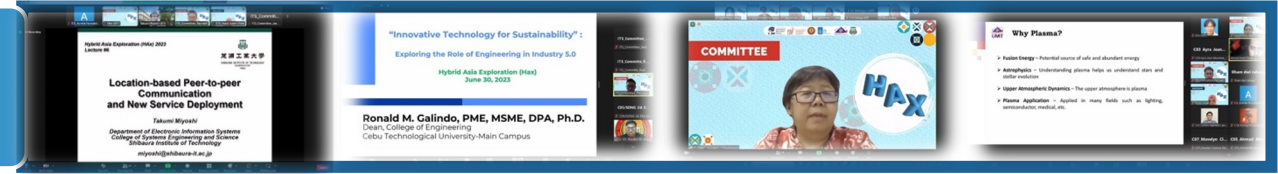
1. Funding
2. Dividing roles and responsibility
3. Content synchronization
4. Change of organizational structure
5. Time difference
6. Bad weather

6. HAx Program details

1) Content composition (1/2)

Students would increase their hard skills, soft skills, English through Multidisciplinary & hybrid program "HAX"

Online Lectures



Onsite part at ITS (lecture, cultural session and visits to community, school, local government)



Committee volunteers

Budget allocation

Statistics (% of completion)

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6. HAx Program details

1) Content composition (1/2)

Online Lectures

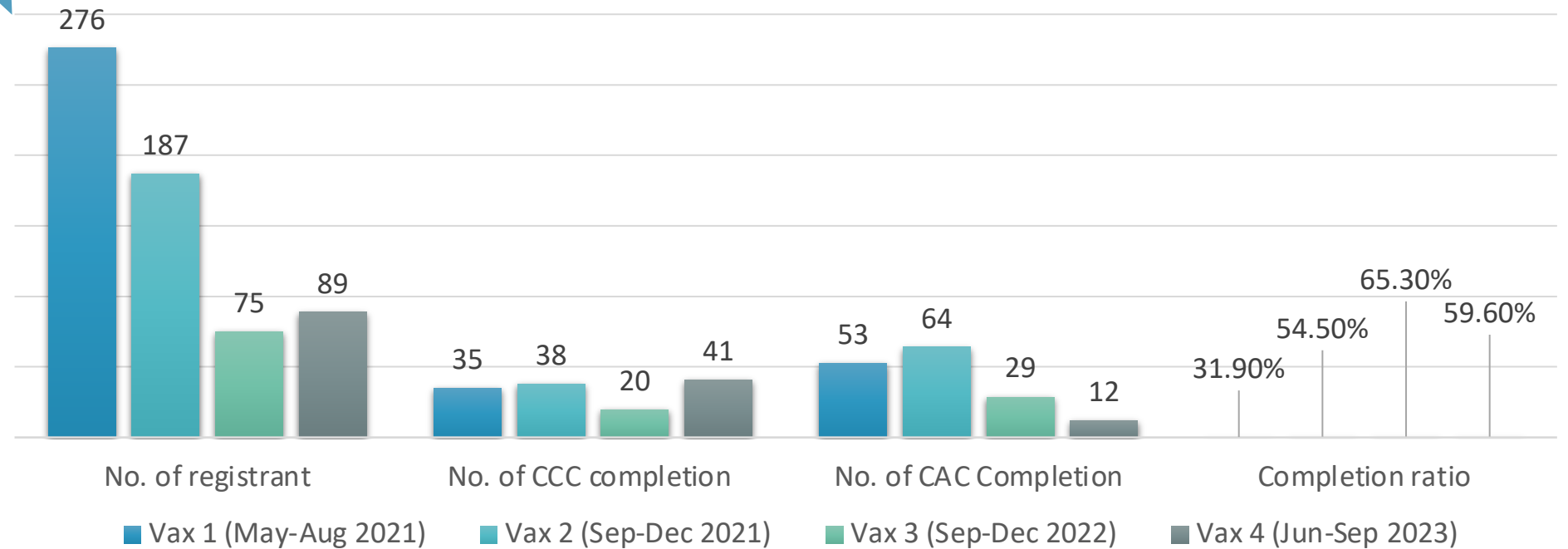
Onsite part at ITS

Students would increase their hard skills, soft skills, English through Multidisciplinary & hybrid program "HAX"

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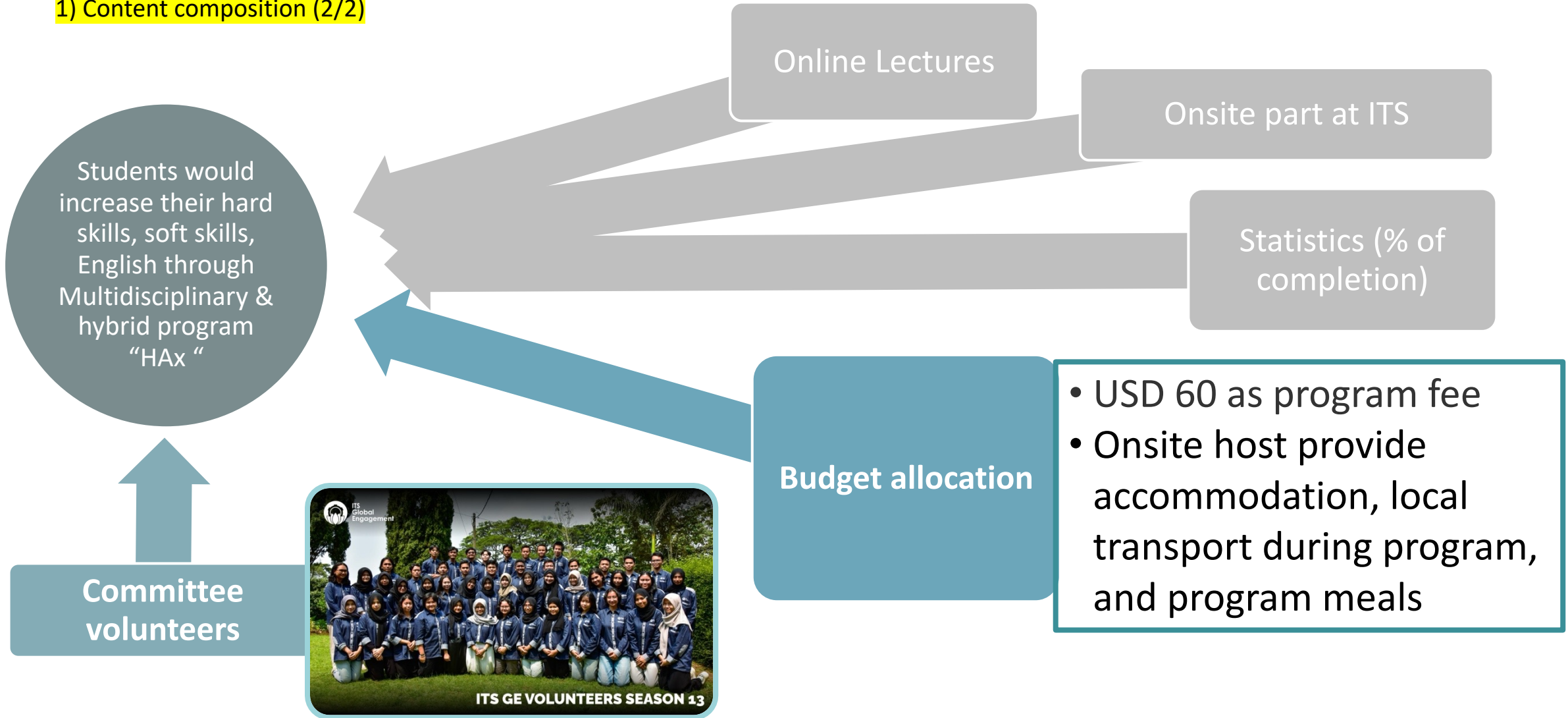


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6. HAx Program details

1) Content composition (2/2)



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6. HAx Program details

Sep 12 - Sep 20, 2024 round trip tickets (as at Jan 3, 2024)

Sep 12 - Sep 20, 2024 round trip tickets (as at Jan 3, 2024)

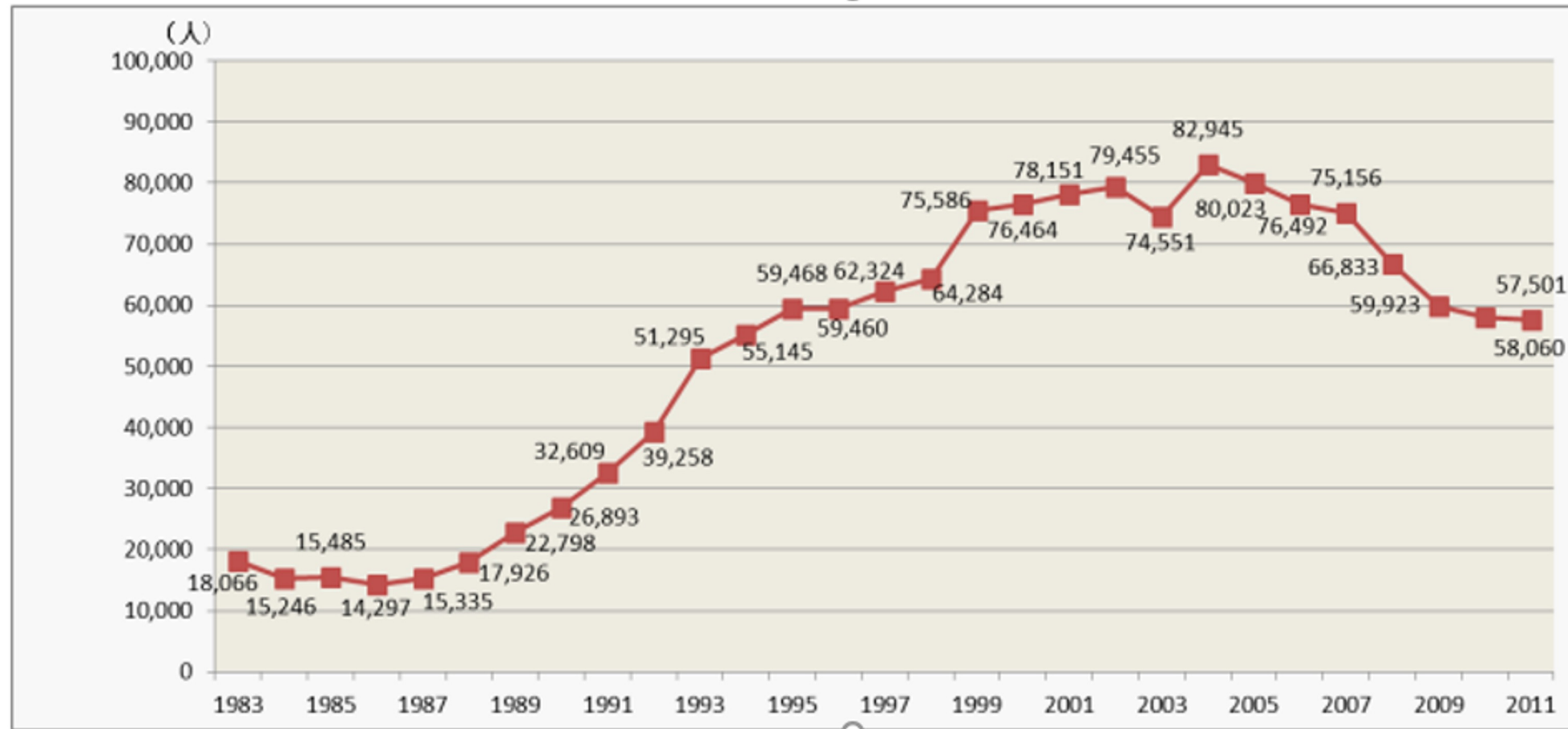
Route from major capitals	Round trip ticket	Trip duration (1 way)
KUL - Surabaya	\$80	>3 hours
Bangkok - Surabaya	\$190	9 hours (1 transit)
Manila - Surabaya	\$220	8-10 hours (1 transit)
Hanoi - Surabaya	\$290	8-9 hours (1 transit)
Ho Chi Min	\$160	7-8 hours (1 transit)
Tokyo - Surabaya	\$500	11-12 hours (1 transit)

+ USD60 Program Fee

6. HAx Program details

2) The way to persuade introvert students for going abroad and attending the international program:
The Case of Japanese Students < Number of Japanese Students Studying Abroad >

(Student and International Affairs Division, Higher Education Bureau, Survey on the Number of Japanese Studying Abroad and Enrolment of International Students', Ministry of Education, Culture, Sports, Science and Technology (MEXT))



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6. HAx Program details

2) The way to persuade introvert students for going abroad and attending the international program:

The Case of Japanese Students

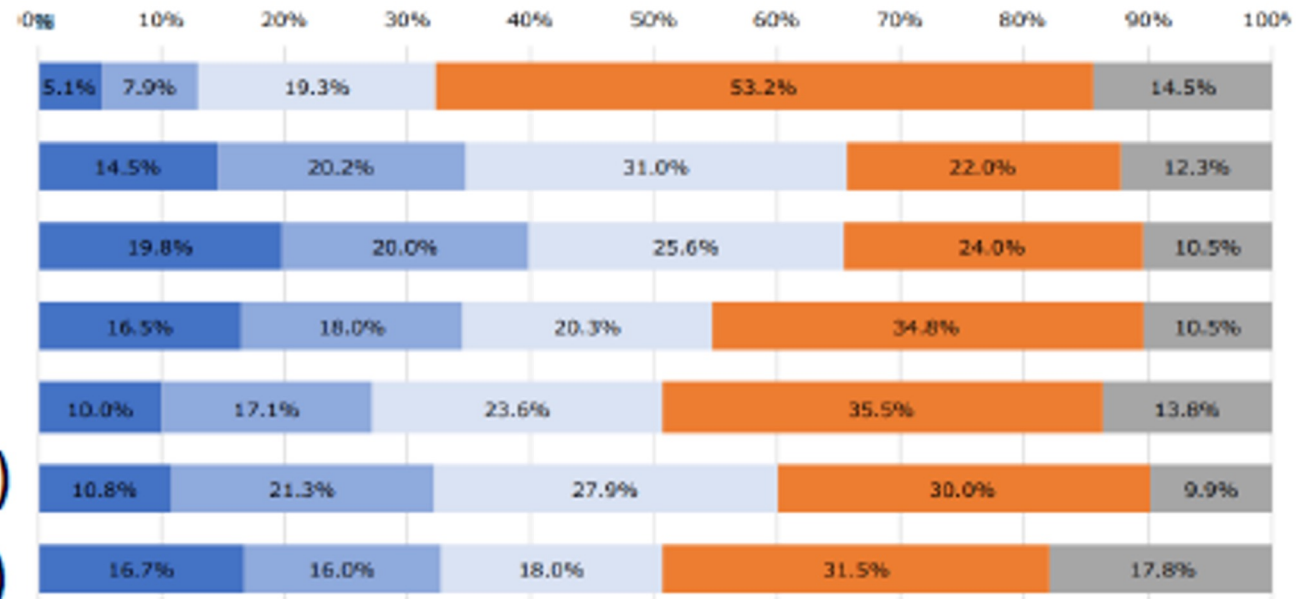
Over 50% of Japanese young people 'do not want to study abroad' (Orange part).

Deep blue: Want to enter and graduate from a foreign high school, university or graduate school / Blue: Want to study in a foreign high school, university or postgraduate school for six months to a year / Pale blue: Want to study abroad for a short period of time to learn a language, practical skills and different cultures in a foreign country

Orange: Do not want to study abroad / gray: No idea

出典：内閣府「我が国と諸外国の若者の意識に関する調査（平成30年度）」(Cabinet Office, Government of Japan, "Survey on the Attitudes of Young people in Our Country and Other Countries (2018)")

- Japan (n=1134)
- Korea (n=1064)
- USA (n=1063)
- UK (n=1051)
- Germany (n=1060)
- Sweden (n=1051)



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6. HAx Program details

3) Effectiveness of interdisciplinary education approach



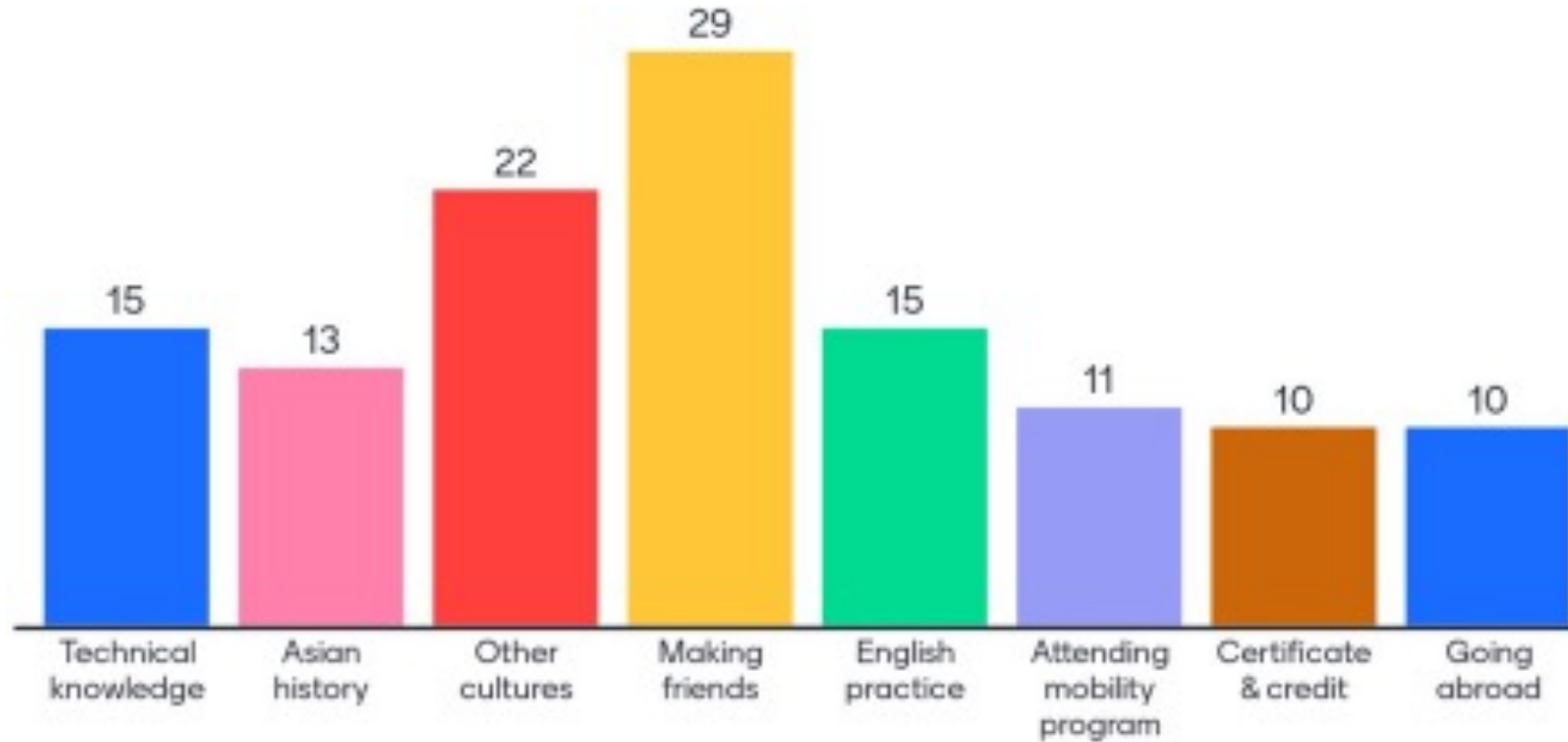
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7. Lessons Learned & Key findings

Asian engineering students want to make new friends.

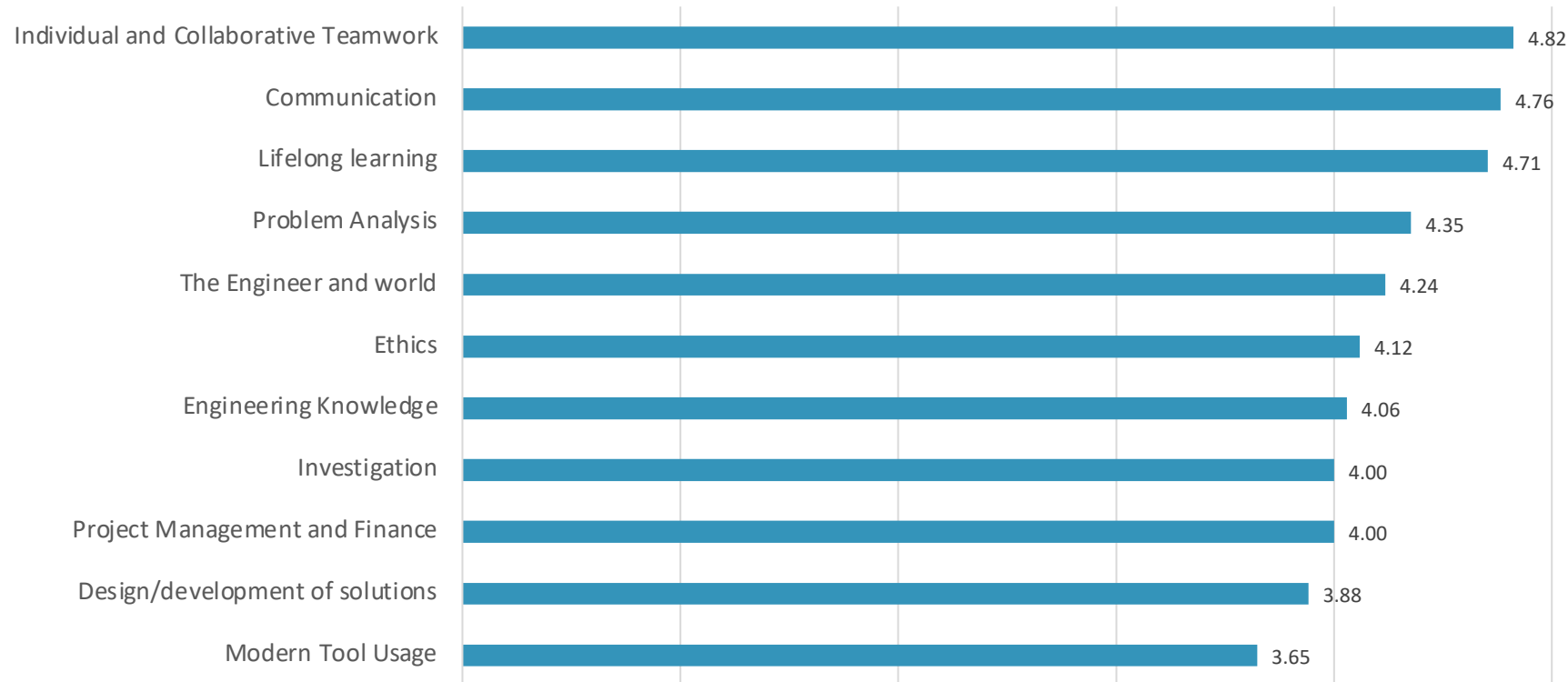
[Participants' Initial Expectations (n = 44)]



7. Lessons Learned & Key findings

Teamwork, communication, and lifelong learning are the top 3 outcomes.

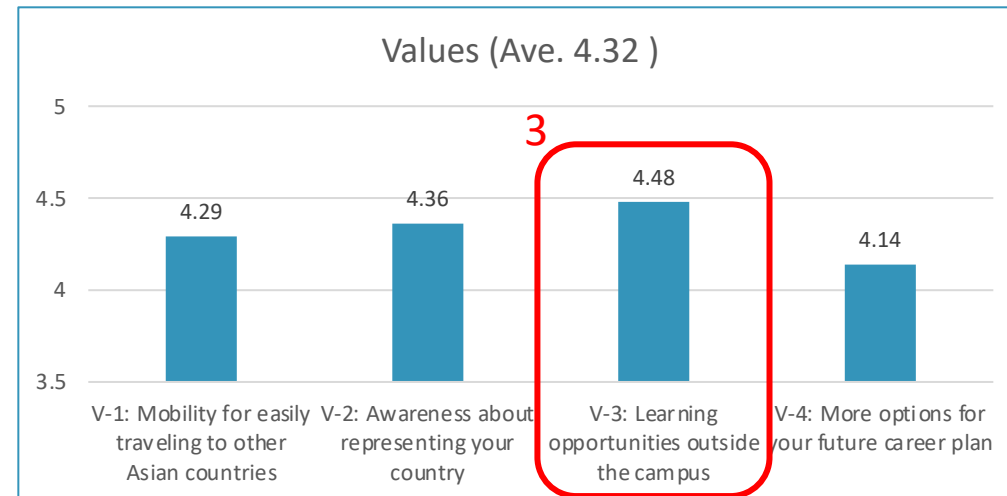
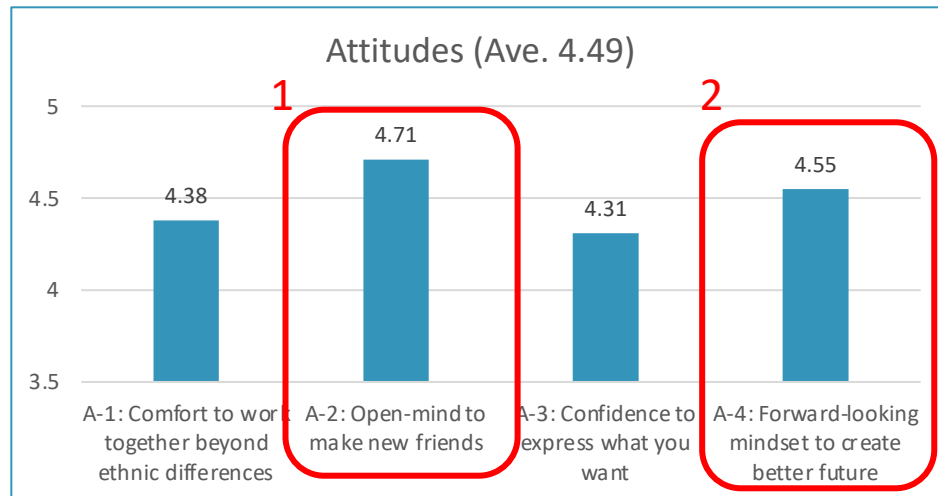
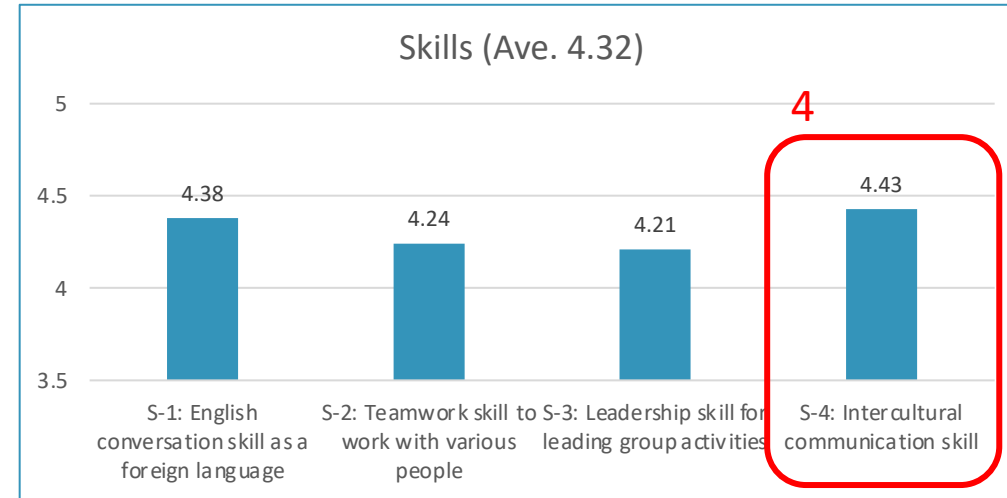
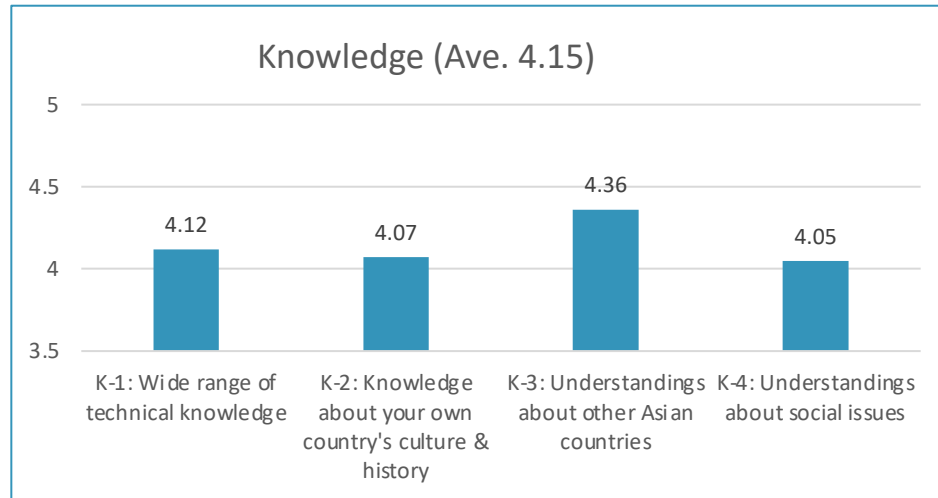
WA11GAP Self-Evaluation



8. 2) Nurturing Asian Students Identity & Self-efficacy

- Mutual respect amongst the multi-national environments
- Understanding about other Asian history & culture
- More awareness of own countries through presentation
- Appreciation of own origin and neighbors

8. 1) KSAVs Acquisition



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9. Conclusions

- To enhance Asian students' self-efficacy level based on Knowledge, Skills, Attitudes, and Value characteristics (KSAVs) model
- To encourage introvert students for attending international programs by overcoming mental fears, especially for those who belong to high context culture society (e.g., Japan).
- To assess the effectiveness of teaching method which combines technological subjects and social science topics.

10. Next actions & proposals

Registration Link:

its.id/2024HAXRegistration or scan



Brochure, Syllabus:

its.id/HAX2024Material

Further information:

<https://www.its.ac.id/international/experiencing-its/prospective-student/short-program/customized/hybrid-asia-exploration/>

Important Dates:

7 June 2024

14 June – 5 July 2024

13 - 15 September 2024

16 - 19 September 2024

Deadline of Registration

Online Program

Hybrid Classes

Onsite Program

HYBRID ASIA EXPLORATION (HAX)

Equivalent to 2 Credits

Participating Institutions: Universiti Malaysia Perlis (UniMAP), Cebu Technological University (CTU), Universiti Malaysia Terengganu (UMT), King Mongkut's University of Technology Thonburi (KMUTT), Institut Teknologi Sepuluh Nopember (ITS), Shibaura Institute of Technology (SIT)

Schedule:

- 14 Jun:** Learning Objectives / Expected Outcomes of this cultural program; Overview of the history and cultural/scientific development in Asia
- 21 Jun:** Evolution of Robots: A Malaysian Perspective and Vision Ahead (UniMAP); Technologies for Point-of-Care Test (KMUTT)
- 28 Jun:** Innovative Technology for Sustainability (CTU); Understanding Technology Advancement for Smart Farming (ITS)
- 05 Jul:** Technology Engineering "Electric Power: how power is it?" (UMT); Japanese Technology & Engineering: application of Electronic Information Systems to social issues (SIT)
- 15 Sep:** Free time or Bromo trip (optional)
- 14 Sep:** Surabaya City Tour; Visiting Surabaya Kampong; Visiting Surabaya Urban Farming
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Call for Participants!

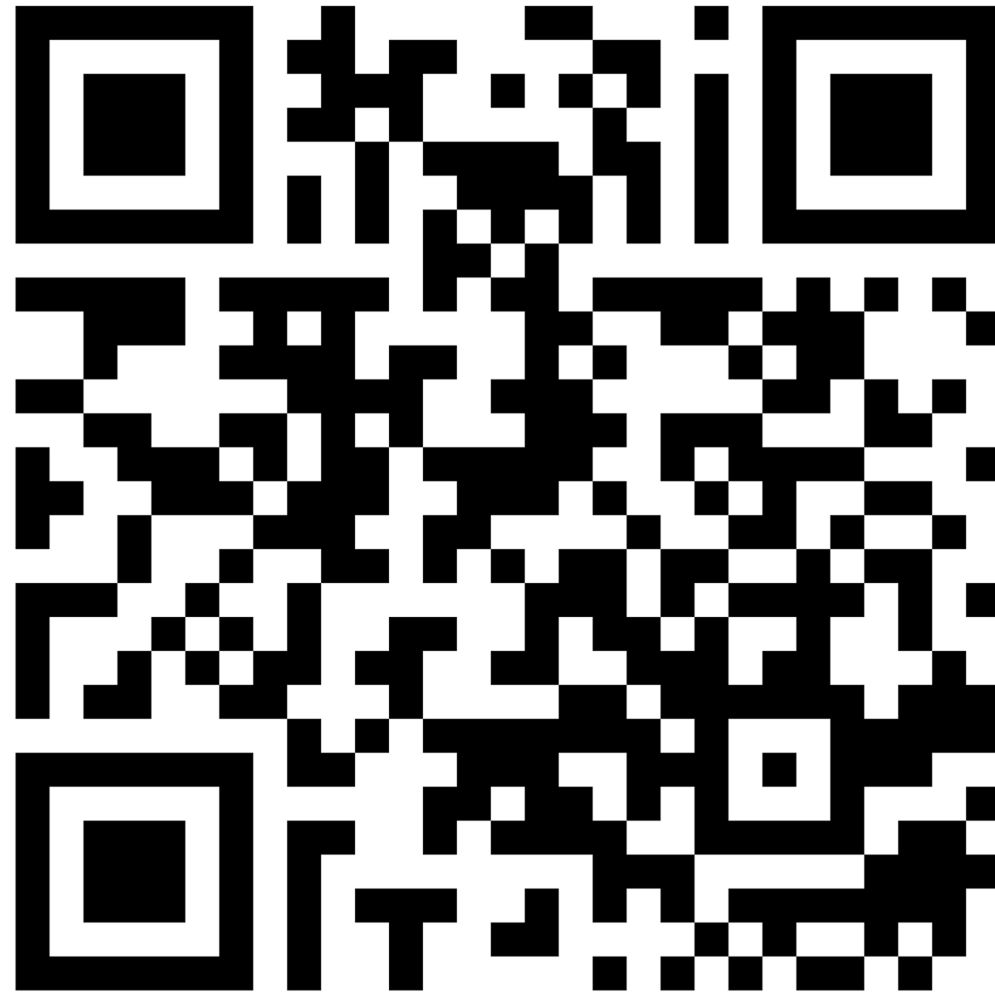
- Benefits:** ITS will cover accommodation, local transport during program, and program meals (on-site program); Certificates; Transcripts; International Networking
- Application Deadline:** 7 June 2024
- Contact Us:** Prof. Hiroyuki Ishizaki (ishizaki.hiroyuki@n3g.ac.jp); Mr. Raynaldi (int_off@its.ac.id)
- Eligibility:** Open for all university students. Limited only 20 participants per university.
- Syllabus & Further Information:** its.id/HAX2024Material
- Schedule:** Online Classes: 14 June – 5 July 2024; Hybrid Classes: 13 Sept – 15 Sept 2024; On-site program: 16 Sept – 19 Sept 2024
- Program Fee:** Online: Free; On-site: Exclude Bromo Trip USD 60; Include Bromo Trip USD 180
- Register Here:** its.id/2024HAXRegistration
- Limited for only 48 people (excluding flight ticket)**

Legend: ● carried out online ● carried out hybrid ● carried out on-site

11. Discussion with audience

- 1) How active is your institute in mobility programs? What are expected outcomes?
- 2) What are the issues of implementing mobility programs?
E.g., costs, contents, finding partners, curriculum, etc.
- 3) How do you assess participants' learning outcomes?

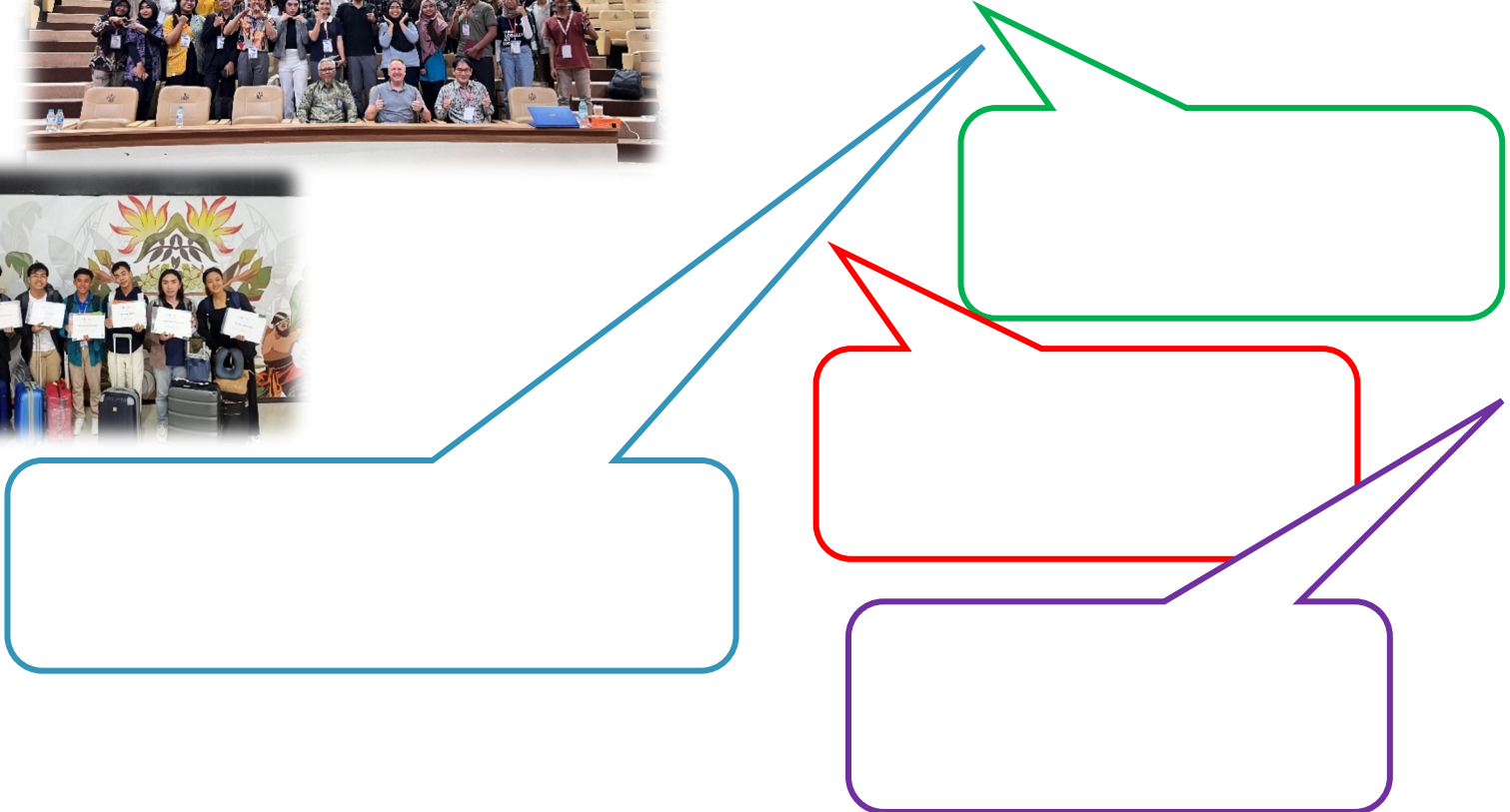
12. Post-session survey using Google Form



t.ly/5mVWT



Door Prizes



HYBRID ASIA EXPLORATION (HAX)

Equivalent to 2 Credits*

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- Register Here:** QR code and link: its.id/2024HAXRegistration

Legend: carried out online (blue), carried out hybrid (green), carried out on-site (orange)

<https://www.its.ac.id/international/experiencing-its/prospective-student/short-program/customized/hybrid-asia-exploration>



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