September 9-12, 2025

The 18th International Symposium on Advances in Technology Education (ISATE)

Bridging Borders: Engineering Education for Global Citizenship
https://isate2025.toyota-ct.ac.jp/

Roundtable Submission Template

Name of Roundtable	Possible Approaches for Collaborative Teaching and Facilitation of Learning between Polytechnics in Singapore and NIT Colleges in Japan	
Name of Facilitator(s)	Affiliation	Country
1. Shwu Lan NGOH	Singapore Polytechnic (SP)	Singapore
2. TBC	NIT XX College	Japan
Lead Facilitator Email:	NGOH_Shwu_Lan@sp.edu.sg	

Sub-Theme (please select the closest match) (You may want to check the Call for Papers for examples)	Select One Only
ST1: Engineering Contributed to Welfare, from Health and Safety to Well-being	☐
ST2: Pedagogical Innovation in Teaching & Learning	☒
ST3: Artificial Intelligence in Teaching & Learning	☐
ST4: Engineering Education for Global Citizenship	☐

Overview of the Roundtable

A roundtable is an informal discussions of a topic related to teaching and learning proposed by a roundtable facilitator.

This roundtable aims to build upon the discussion initiated at ISATE2024 hosted by Singapore Polytechnic, focusing on collaborative approaches to student guidance through joint teaching and learning facilitation between Polytechnics in Singapore and National Institute of Technology (NIT) Colleges in Japan.

The main intended outcome of this session is to support the planning and implementation of a potential pilot collaboration between participating institutions. In addition, the roundtable will explore relevant domain, pedagogical approaches and facilitation methodologies to strengthen cross-institutional collaboration in today's dynamic and fast-changing educati onal landscape.

Keywords (4 or 5, separated by commas)
Collaborative facilitation, Collaborative learning, Students' guidance

Activities

Include a brief summary of the proposed activities participants will undertake in the discussion, including some questions for discussion.

1. Introduction and Context Setting by Lead Facilitators (5 min)
2. Participants will reflect on and share their experiences (if any) or views in collaborative teaching and learning facilitation with local or overseas partners using Padlet (a type of digital Post-It notes to be provided by SP), for example (not exclusive):
   - Challenges faced during cross-institutional collaboration (25 min)
   - Effective strategies or lessons learned (25 min)
   - Institutional or cultural considerations (15 min)
3. Participants interested in future collaborations can discuss possible areas where the team can work together after ISATE 2025, with possibility of continuing into ISATE 2026 (20 mins)

Possible questions (not exhaustive):

1. What are some key learning points from your previous experiences with collaborative teaching or facilitation?
2. What are some ideas that came to your mind when it comes to collaborative teaching and facilitation of learning between Polytechnics in Singapore and NIT Colleges in Japan (what came be done? e.g. lecture, case study, seminar, how to do it?, etc.)
3. What are some constraints that your institution faced in terms of doing the collaborative teaching and facilitation of learning?
4. Which area(s) in the above ideas for collaborative teaching and facilitation of learning that is/are more implementable? Which domain(s) do you think we can try this?
5. How should the collaborative teaching and facilitation of learning be executed among participating institutions? What are the resources involved?

Target Audience

Explain who should attend this roundtable and outline any background knowledge required from participants.

Faculty with appointment such as program owner, chair, manager or other equivalent will be most suited for this roundtable. Other lecturers who are interested in improving one's teaching and course/module design practices are also welcome. Participants are required to bring own laptop for the activities.

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Follow-Ups, if any Are there any activities that is already envisioned for a follow-up from the roundtable, e.g. what participants are expected to do after ISATE 2025?
A follow-up can be expected after the conclusion of ISATE2025, to continue working on the activities via email exchanges and online meeting as deem necessary. Possible activities include: 1. Continued exploration with interested institution(s) on how to operationalize a pilot run 2. Execute a trail or pilot run 3. Survey of staff and students experience after implementation It is also envisioned that the work done can be continued into ISATE2026 as another roundtable.

Resources Needed The organizer will try as much as possible to provide the resources requested. Please be as detailed as possible. The organizer will contact the Lead Facilitator via the email address provided if clarification is needed.
Two (2) laptops connected to an overhead projector will be required. Wi-Fi is absolutely essential. No special software requirements.