Enhancing Adult Education Through PILATE: Practical Introduction to Learning For Adult Trainers and Educators
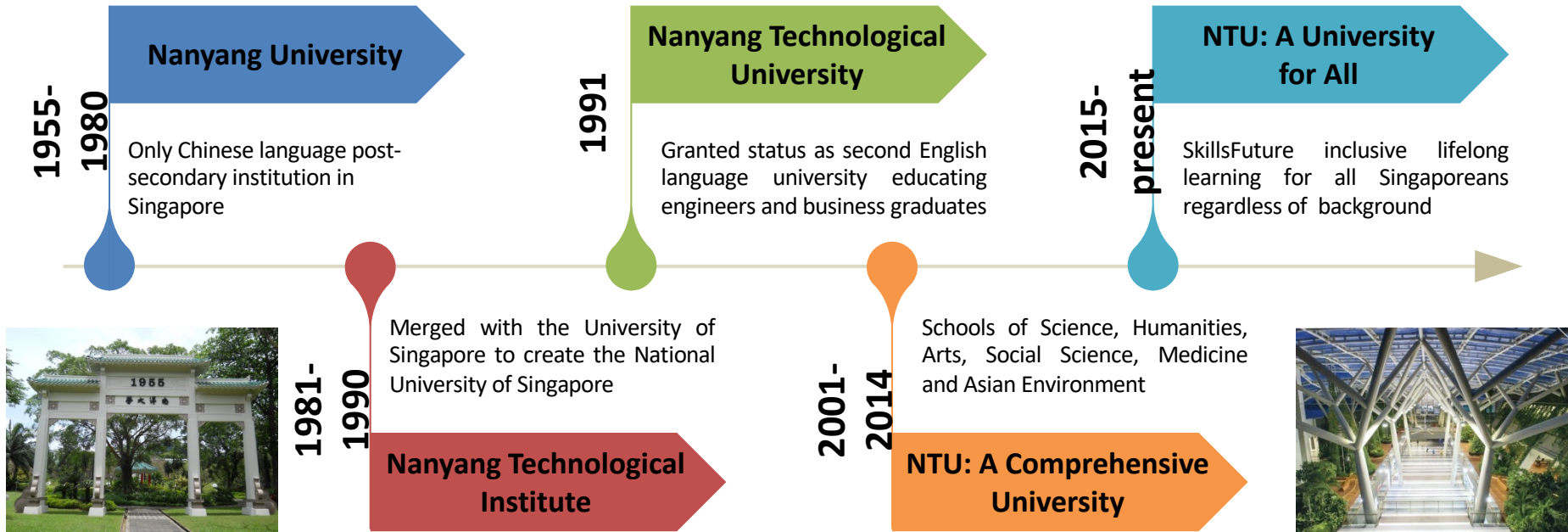
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Major Milestones - From Education to Innovation

1955-1980

Nanyang University

Only Chinese language post-secondary institution in Singapore

1981-1990

Nanyang Technological Institute

Merged with the University of Singapore to create the National University of Singapore

1991

Nanyang Technological University

Granted status as second English language university educating engineers and business graduates

2001-2014

NTU: A Comprehensive University

Schools of Science, Humanities, Arts, Social Science, Medicine and Asian Environment

2015-present

NTU: A University for All

SkillsFuture inclusive lifelong learning for all Singaporeans regardless of background

Building a Culture of Excellence in Teaching and Learning in NTU

2021:

InsPIRE - Authentic Teaching, Learning & Assessment (University Wide)

2015- 2020:

Outcome Based Teaching & Learning (University Wide)

2013-2020:

Team Based Learning /Collaborative Learning (Selected Courses)

2010:

Blue Ribbon Commission (BRC)

2011 -2013:

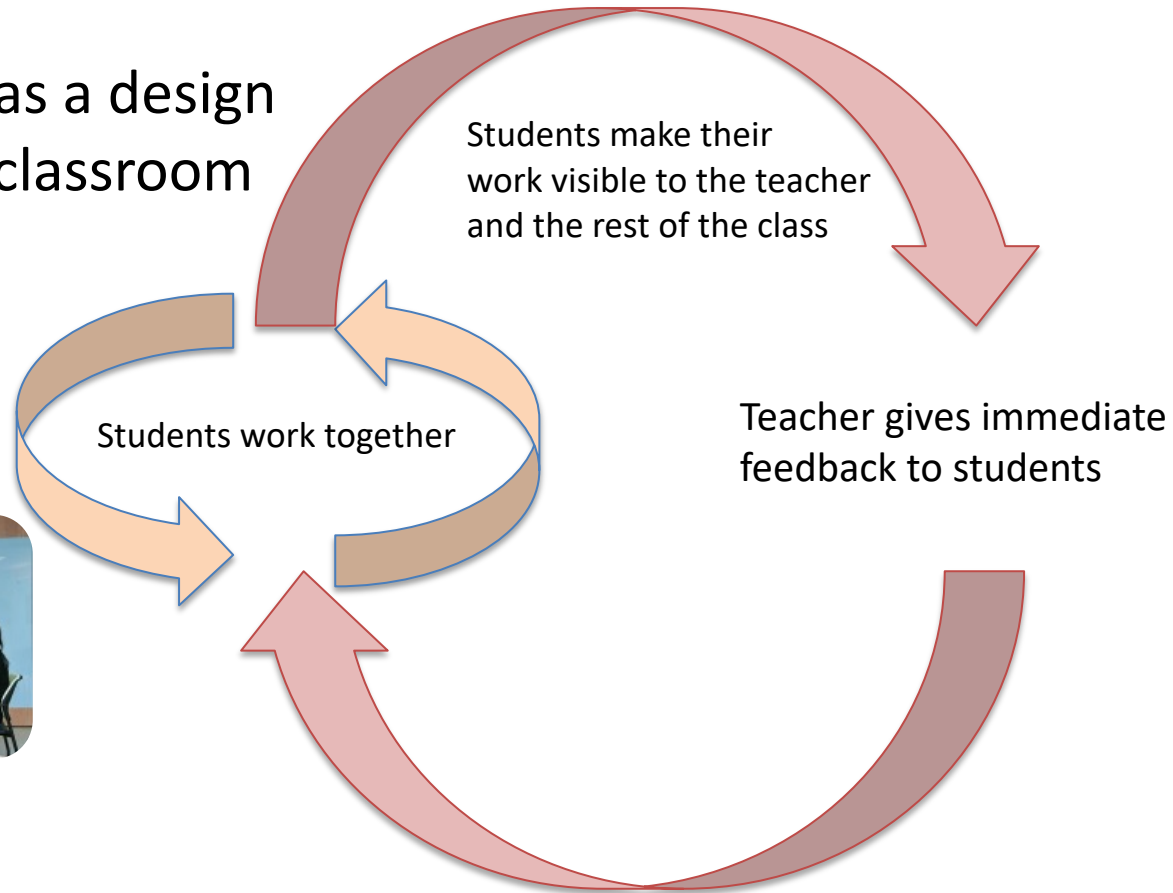Building Classrooms with Configurable Space and Technology-enabled Facilities

2015:

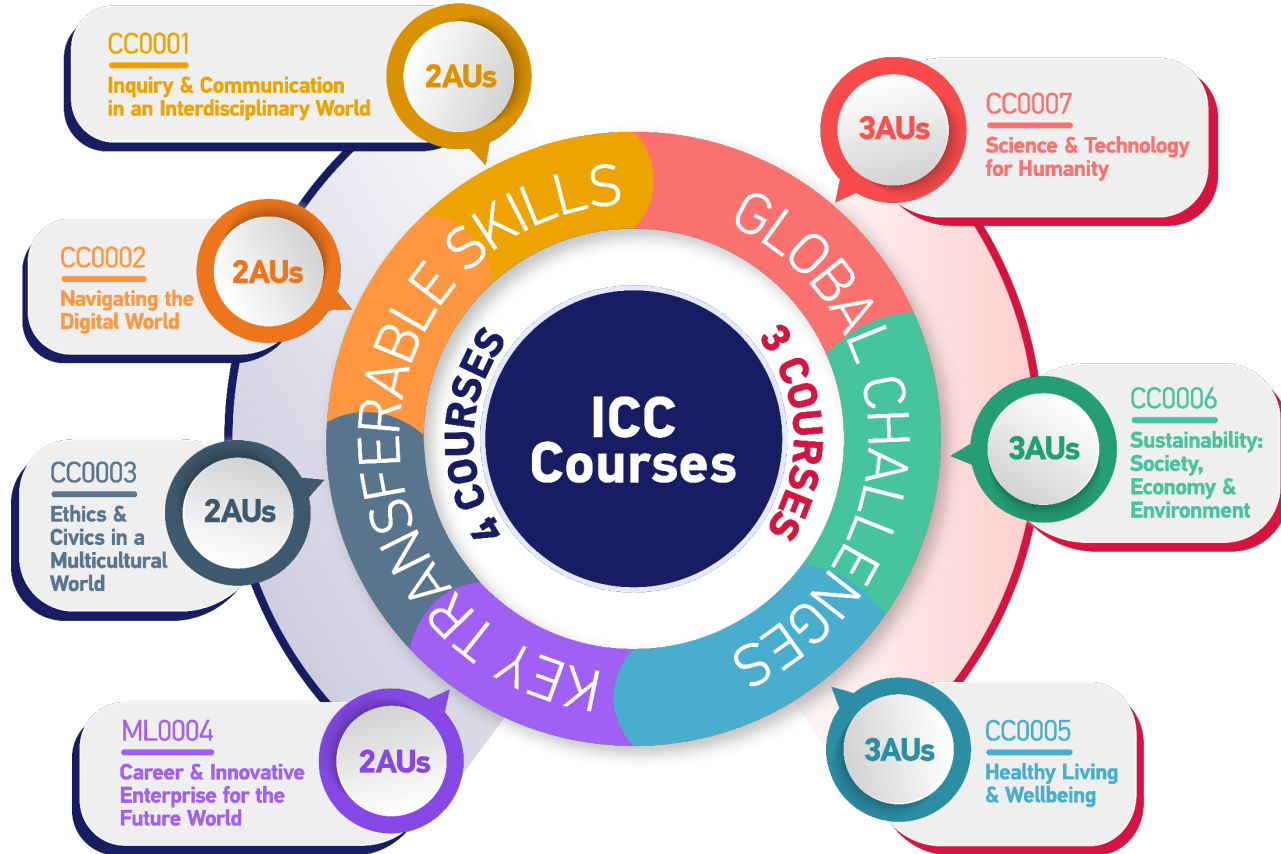Technology Enhanced Learning (Significant Number of Courses)

Feedback Loop as a design mechanism for classroom activities

Students make their work visible to the teacher and the rest of the class

Teacher gives immediate feedback to students

Students work together

Students work together giving one another implicit and direct feedback

7 ICC Courses

CC0001
Inquiry & Communication in an Interdisciplinary World
2AUs

CC0002
Navigating the Digital World
2AUs

CC0003
Ethics & Civics in a Multicultural World
2AUs

ML0004
Career & Innovative Enterprise for the Future World
2AUs

CC0007
Science & Technology for Humanity
3AUs

CC0006
Sustainability: Society, Economy & Environment
3AUs

CC0005
Healthy Living & Wellbeing
3AUs

TRANSFERABLE SKILLS — KEY TRANSFERABLE SKILLS — 4 COURSES

GLOBAL CHALLENGES — 3 COURSES

ICC Courses

REFINE Committee

- REFINE is an advisory committee aimed at enhancing the quality of Continuing Education and its portfolio of courses offered by PaCE and NTU

- The Committee will support NTU's efforts to better engage learners in continuing education through the enhancement of quality in course offerings, greater connection and relevance to industry and participant requirements, and to provide greater outreach and appeal to an international body of participants

REFINE Committee

Prof Lim, Director (Academic) PaCE

Prof Tjin, PaCE

Prof Choy, NIE

Prof Tan, NIE

Professional and Continuing Education (PaCE)

Centre for Teaching, Learning and Pedagogy (CTLP)

National Institute of Education (NIE)

Learning Technologies and Digital Media (LTDM)

Dr Rajalingam, Director, CTLP

Dr Tan, Head, Fac Dev, CTLP

Mr Lo, Director, LTDM

The PILATE Experience

Practical

PILATE isn't just theory – it's all about equipping educators with the real-world skills they need in the realm of continuing education. We're talking about arming you with a toolkit that's tailor-made to orchestrate dynamic learning experiences for your specific audience. You will not only learn to develop practical skills but also receive real-time feedback on your teaching.

Evidence-Based

At PILATE, we're not throwing darts in the dark. We've meticulously curated the latest insights into how human learning and development unfold across the lifespan. We're blending cutting-edge research from cognitive sciences and educational psychology to form the bedrock of every single learning endeavor within the program.

Experiential

Get ready to flip the script. In PILATE, you won't sit passively in lectures. Instead, you'll be stepping into the shoes of a learner to experience new teaching approaches. This hands-on approach lets you grasp teaching techniques from a whole new angle – the learner's perspective. Prepare to gain insights that could only come from living through the learning process yourself.

Reflective

As you live the learning experience in PILATE, you're also fostering a potent set of metacognitive skills. These aren't just buzzwords – they're the tools that empower you to thoughtfully dissect your own teaching methods. PILATE encourages you to evaluate the impact of different approaches from multiple angles, fostering a holistic understanding.

Self-determined

Welcome to a realm where your learning journey is guided by your own ambitions. PILATE isn't about dictating what you must learn; it's a space that thrives on your capacity to set goals and tackle the challenges that resonate with your unique context. Here, you're the captain of your educational voyage, and your peers will support you in your endeavors.

Programme Aims & Learning Outcomes

 Design   Teach   Evaluate

1. Design lessons with explicit outcomes aligned to assessment and learning activities
2. Use learning activities and assessment strategies to promote student learning
3. Evaluate your own teaching to determine the impact of your teaching strategies

Framework

Constructive Alignment	• Shifting The Mindset in Adult Learning
Cognitive Levels	• Pitching Your Class For Diverse Learners
Team-Based Learning	• Leveraging Active and Collaborative Learning
Facilitating Learning	• Using Classroom Discourse To Deepen Learning
Problem-Based Learning	• Solving Problems in Your Teaching Context
Evaluating Teaching	• Sharpening Your Teaching Through Critical Reflection
Microteaching	• Examining Your Teaching With Peer Feedback

Examples of Participant Concerns

- Students do not understand if it is too technical
- Delivery and learners' understanding
- To have right audience
- Time management
- Handling questions smoothly when you don't know about it.

What They Hope to Gain - Examples

- Ability to structure a coursework and delivery to the learners to ensure their better understanding of the subject.

- Learn framework of how to conduct a more engaging class and better understand student's perspective.

- Enhance teaching skills and networking.

- To improve my teaching and facilitating skills further.
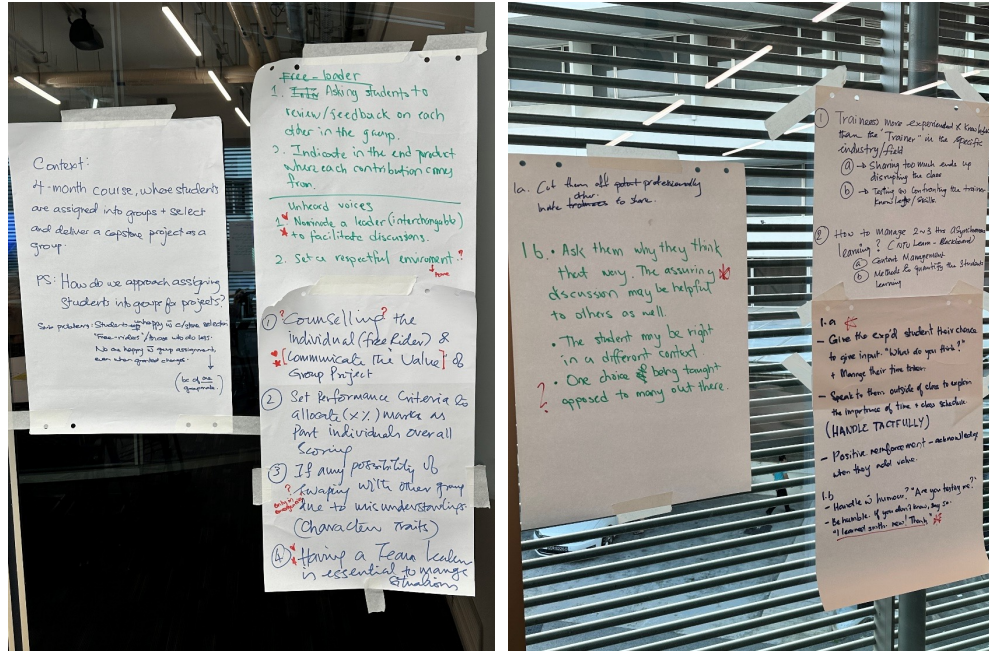
- To learn new teaching techniques

PILATE Activity

Examining a case study

PILATE Activity

Group Discussion and Brainstorming

PILATE Activity

Self-Directed and Problem-Based

PILATE Microteaching

Participant Feedback

Feedback (Pilot)

- Would love to have this type of session every year – where great minds gather to exchange ideas. Refreshing!
- The criteria rubrics was good, coupled with microteaching and learning from others.
- Got to learn from other instructors teaching, delivery and feedback during Microteaching.

Feedback (1ˢᵗ Run)

- The instructors and assessors are very genuine and crisp in their feedback.
- The feedback is ==useful and appropriate to encourage further self-reflection==.
- I have learnt a lot especially ==the shift of perspective== to what the students do.
- Very informative and a lot of food for thoughts, ==make me want to learn more==.

Feedback (2ⁿᵈ Run)

- ==Very applicable==. It is bite-sized and I can apply it. Was ==very inspired== by how the course was conducted, it displayed how this style of teaching can be done.

- PILATE course is overall excellent and given an opportunity to ==learn and apply "Micro Teaching" methodology which I loved== it.

- I really enjoyed this course! Even where concepts weren't exactly new, it was helpful to assign frameworks and methods to teaching approaches. I at least ==feel validated== in trying to ==teach in a more student-centric manner==.

- The criteria are particularly ==useful to help me assess how I conduct lessons==.

- Generally very good for such a short time.

PILATE Graduation Ceremony