



| SMU Academy

# ENGAGED TEACHING & LEARNING

---

FOR A TECH-SAVVY  
GENERATION

# OUTLINE

---

- **TUNING IN**  
knowing Gen Z
- **PLUGGING THE GAP**  
barriers to tech-integration,  
transformative effect of technology,  
examples
- **ASSURANCE OF TECH-ENABLED  
LEARNING**  
faculty support, recognition and  
appraisal framework



# GEN Z POLL

---

Go to **www.menti.com** and use the code **13 20 00**

# GEN Z POLL

---

<https://www.mentimeter.com/s/272724a93fec9298a185a29a7a3be67b/c42e7dc88e50/edit>

# GEN Z <sup>vs</sup> GENS X & Y

GEN X (MID 60s – EARLY 80s)	GEN Y (1980s – late 1990s) MILLENNIALS	GEN Z (Around 2000)
Use Technology: PC	Tech Savvy: 2 screens	Tech Innate: 5 screens
Not tech savvy	Think in 3D	Think in 4D
Mistrust institutions	Share all	Judiciously share
Self-involved	Slacktivists	Active Volunteers
Accept diversity	Multi-cultural	Blended (race and gender)
Self-reliant	Tolerance	Togetherness
Still happy with print	Communicate with text	Communicate with images
Use stuff	Share stuff	Make stuff

# GEN Z: THE SHARING ~~GENERATION~~

## HOW TO TEACH THEM

- Think digital
- Break it up
- Make information graphical and digestible
- Rethink how you communicate
- Be relevant
- Let them collaborate and learn by doing



# INSTRUCTIONAL PROBLEMS

---

## SCENARIOS ENCOUNTERED



# INSTRUCTIONAL PROBLEMS

---

## SOLUTIONS

- WEB 2.0 TOOLS

### Voicethreads

<https://voicethread.com/myvoice/thread/8637366/48531210>

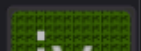
<https://voicethread.com/myvoice/thread/5980710/30752659/32371611>

<https://voicethread.com/myvoice/thread/7136579/37993175/39229300>





LLC  
Jan 30, 2017, 12:23 PM



and I came to Singapore when I was 19.



- Q >>
- 🎥
- 
- Jn
- WL
- jy**
- KC
- MN
- AT
- MC

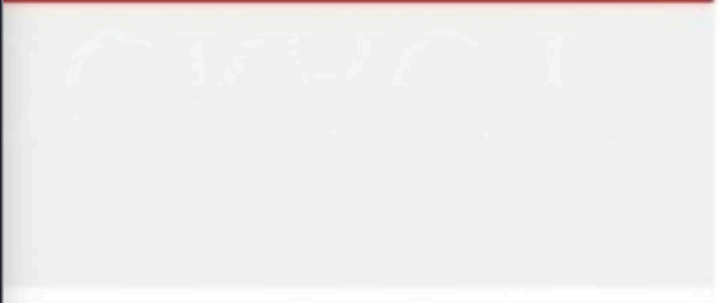
**Joel yee** X

I think what we lack in Singapore is empathy towards the plights of migrant workers. Many of us are unaware of their stories of struggle and sacrifices, choosing only to nitpick on issues where their actions cause inconvenience to us. The fault, i feel, lies in the lack of education and attention drawn to the stories of these workers by relevant help groups and even the government. It is therefore extremely heartening to see platforms such as HealthServe established with the aim of making a difference in the lives of migrant workers, and also the number of volunteers contribute their time and effort to raise awareness. I feel this is a very meaningful way we can make a difference to the lives of people closer to home; people who help contribute to Singapore's economy. One way we can possibly improve the level of awareness regarding their plights, is through holding info sessions at tertiary education institutions, where community involvement programmes are regularly organised and students sign up to contribute help towards a particular community. Instead of going to neighbouring countries to help the disadvantaged there, perhaps we could start our efforts locally. Charity, as they say, begins at home.

T T

+  
Comment

### GOOD MERITOCRACY AND BAD MERITOCRACY



**George** X

I agree largely with Mr Low's view of Singapore and I think the education system reflects that.

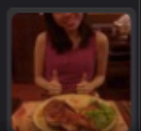
One thing that struck me was the competitive culture that is created by the Singapore brand of meritocracy. I always thought that hiding library books in university is urban legend. However, recently a friend from NUS law school shared with me an email where a Professor said the librarian said that important books were missing from the shelves but were not loaned out. These books were needed by a class to do their moot problem. I think the entire 'bell-curve' and mentality that 'others must do badly so I can do well' mentality have been taken to the extreme. I really wonder what can be done to solve this problem because clearly even instituting collegiality and mandating Ethics class are not helping.

Next, I agree with Mr Low in his disadvantages of rewarding type. However, I feel that Mr Low could perhaps have addressed what he defines as efforts in the context. This is important because how do reward effort? It can mean I wrote 1500

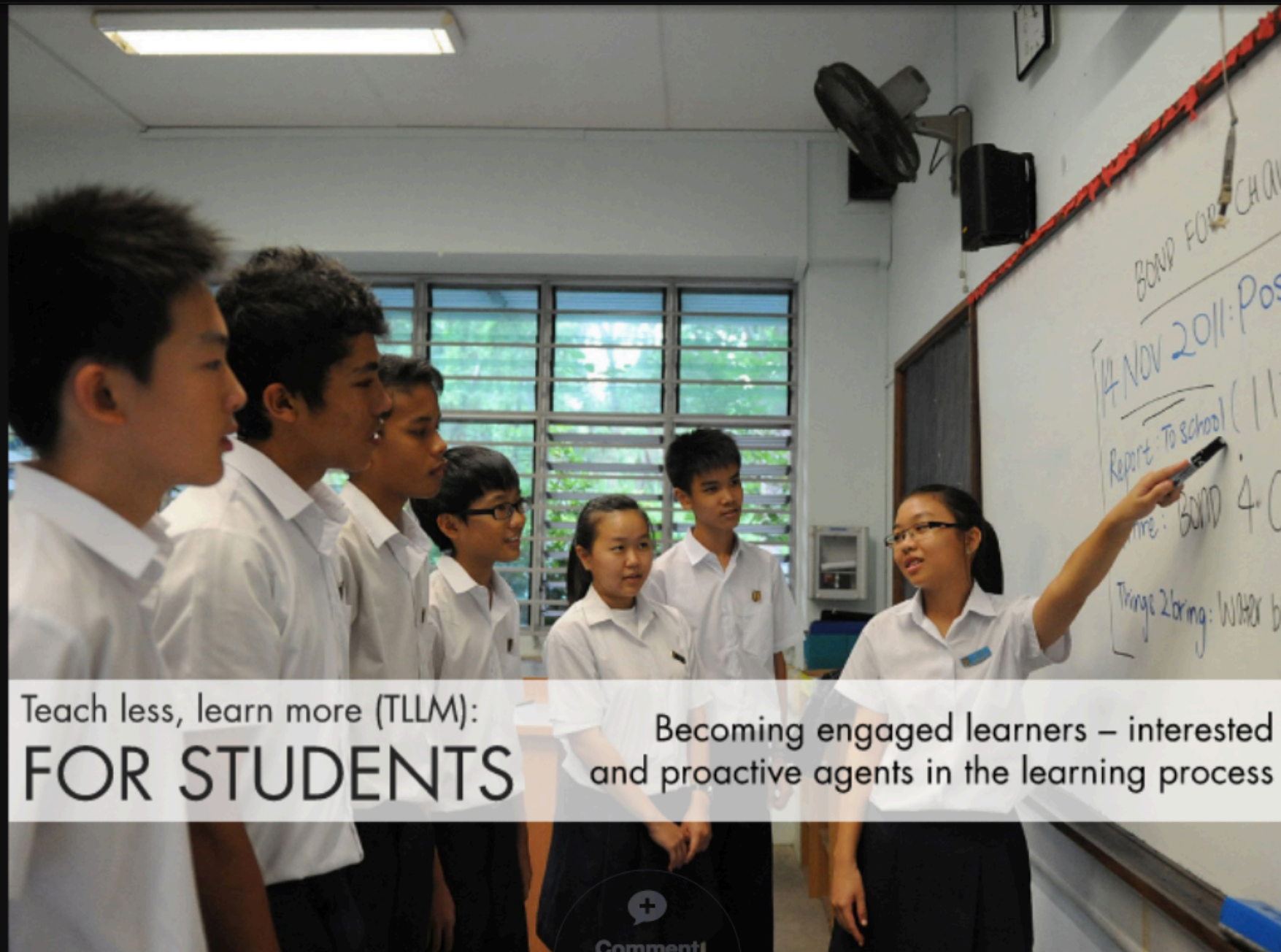
T T

...the principle of governance in Singapore. Basic  
 ...the reasons why Singapore separated from Malaysia. The  
 ...meritocracy principle – that we try to equalise opportunities not outcomes, and that we  
 allocate rewards on the basis of an individual's merit or his abilities and achievements – is as  
 close as anything gets to being a national ideology. In recent years however, there has been  
 growing disquiet over meritocracy as it is practised in Singapore: the excessive competition it  
 engenders (particularly in our education system), the stress and anxiety it causes, and the  
 inequality that many see as the result of an unfettered meritocracy.

Comment







Teach less, learn more (TLLM):  
**FOR STUDENTS**

Becoming engaged learners – interested  
and proactive agents in the learning process



# BENEFITS OF VOICETHREADS

- Students learn to work synchronously and asynchronously
- They learn to work with different media – text, audio, video
- They can invite peer comments
- Resource persons and clients can log in to give their comments from anywhere in the world
- Assessment can be done on the VT directly for all to see
- Instructor can archive projects for future reference

# INSTRUCTIONAL PROBLEMS

---

## SOLUTIONS

- WEB 2.0 TOOLS

Vialogues

<https://vialogues.com/vialogues/play/25492>



EXPLORE

Search

LOGIN

SIGN UP ▾

## The Power and Potential of Online Learning

In this vialogue, let's listen to Daphne Koller talk about online learning. As we watch each segment, please respond to the following: 1) What I knew/know about MOOCs before and ... [↓ Read More](#)

Moderators: [Lai Cheng Lim](#)

Vialogue Created: Oct 18, 2015 | PUBLIC

MORE INFO

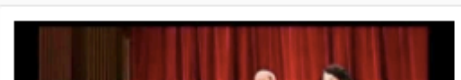
SHARE



Please **LOGIN** to comment on this vialogue.

### Recommended Vialogues

MORE



**00:00** Online learning is allowing an individualised pace of learning which we are not able to get in the physical classroom environment. Furthermore, the approach to learning is one that will require discipline and a interest-motivated instead of grade-motivated one.

[Jia Min Tan](#) | 2 years ago

The content mastery features and individual tutoring through learning analytics are really powerful!

MOD [Lai Cheng Lim](#) | 2 years ago

[HIDE REPLIES ^](#)

Right, so what have you learnt about MOOCs that you did not realise before?

MOD [Lai Cheng Lim](#) | 2 years ago

[VIEW REPLIES v](#)

That you can actually use them for internships and school enrollments

[Chor Yi Poon](#) | 2 years ago

My friends have actually taken a few coursera classes and loved it. It allows the flexibility to learn at the pace of your own learning.

# BENEFITS OF VIALOGUES

---

- Attractive blog or forum interface
- Youtube videos can be easily uploaded
- Access from classroom or home – synchronous as well as asynchronous exercise
- Everyone participates
- Students and instructor can comment on any entry
- Instructor can assess quality of comments and archive exercise for future reference



# INSTRUCTIONAL PROBLEMS

## SOLUTIONS

- SMU APPS

<http://cte.smu.edu.sg/projects>

<http://apps.cte.smu.edu.sg/>

- GLASSBOARD

[P&L](#)

This app is only available on the App Store for iOS devices.

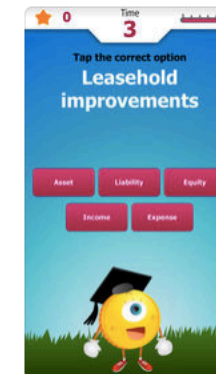
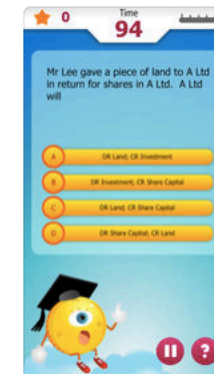
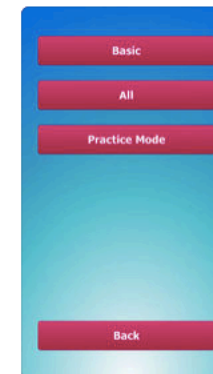


**SMU Accounting Challenge** 4+

Singapore Management University

Free

Screenshots [iPhone](#) [iPad](#)



### Self-paced Digital Tools



Criminal Law Animation

### Single-player Games/Simulations



GIGAME (Grade Inflation Game)



Financial Accounting

### Self-paced Digital Tools



### Adaptive Digital Tools

Students attempt the MCQ which tests their understanding of the concept of Demand and Supply. Students indicate their confidence level of their responses to the MCQ by selecting one of these four options.

Which of the following are determinants of how much a customer demands of a product?

Check all that apply.

- The price of the product
- The price of other products
- The consumer's tastes and preferences
- The quality of competing supplies
- The consumer's income

Check your confidence level

1 Strongly Confident 2 Confident 3 Somewhat Confident 4 Not Confident

Students can refer to the concept of Demand and Supply to the text.

### Single-player Games/Simulations



A Hunter's Tale

# COFOUNDERS OF THE NORTH

<http://apps.cte.smu.edu.sg/cofn/>

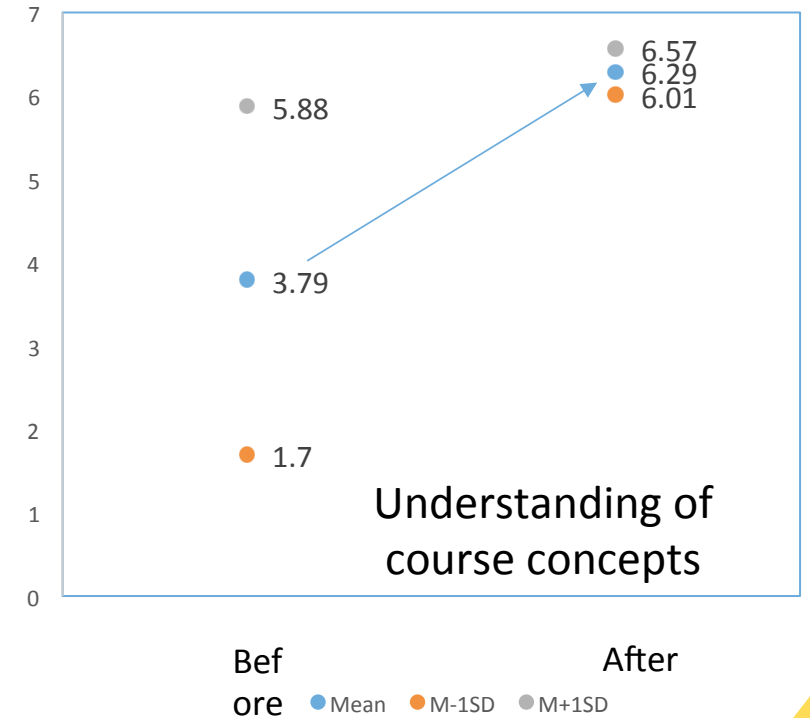
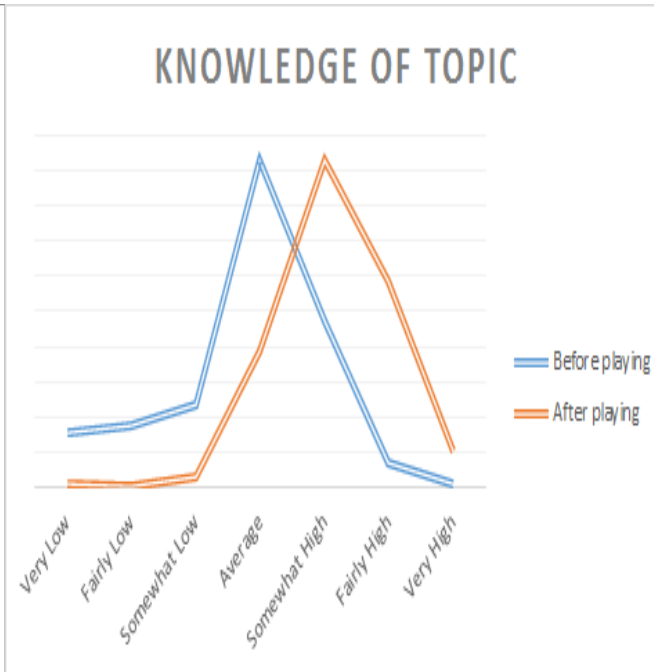
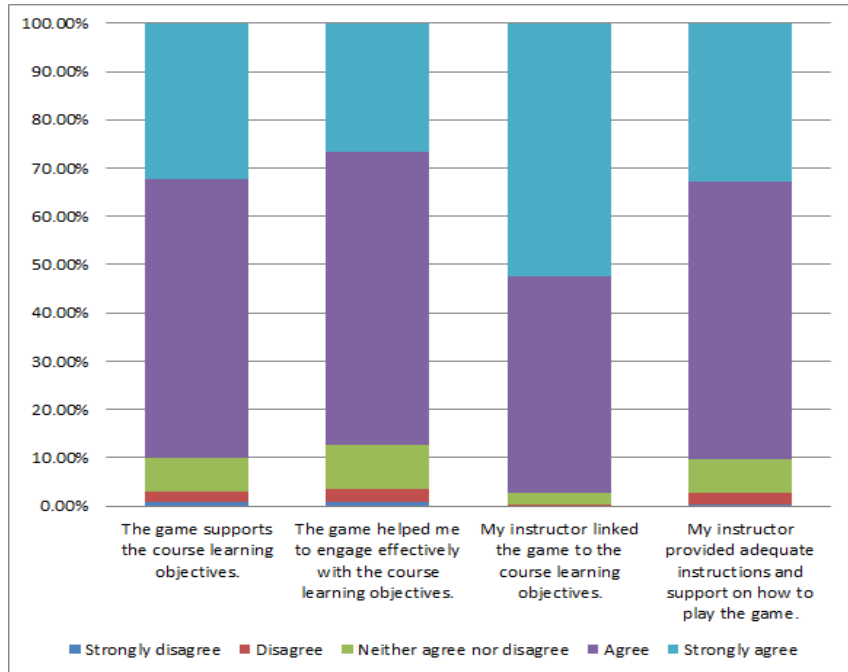


<https://www.youtube.com/watch?v=hzdIOySHIaY&feature=youtu.be>

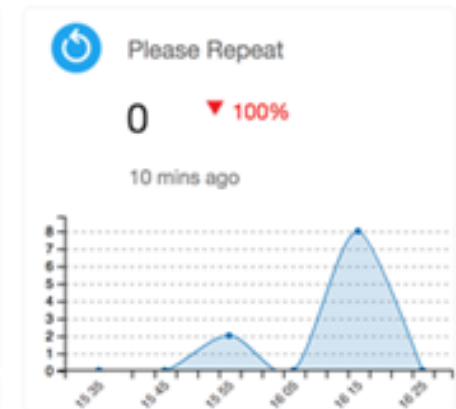
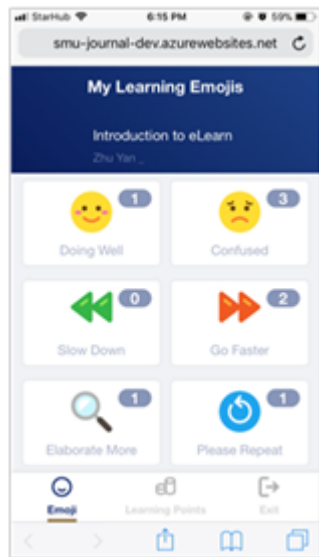
[play.beta.cofn.smucte.com](http://play.beta.cofn.smucte.com)



# EVALUATION OF EFFECTIVENESS

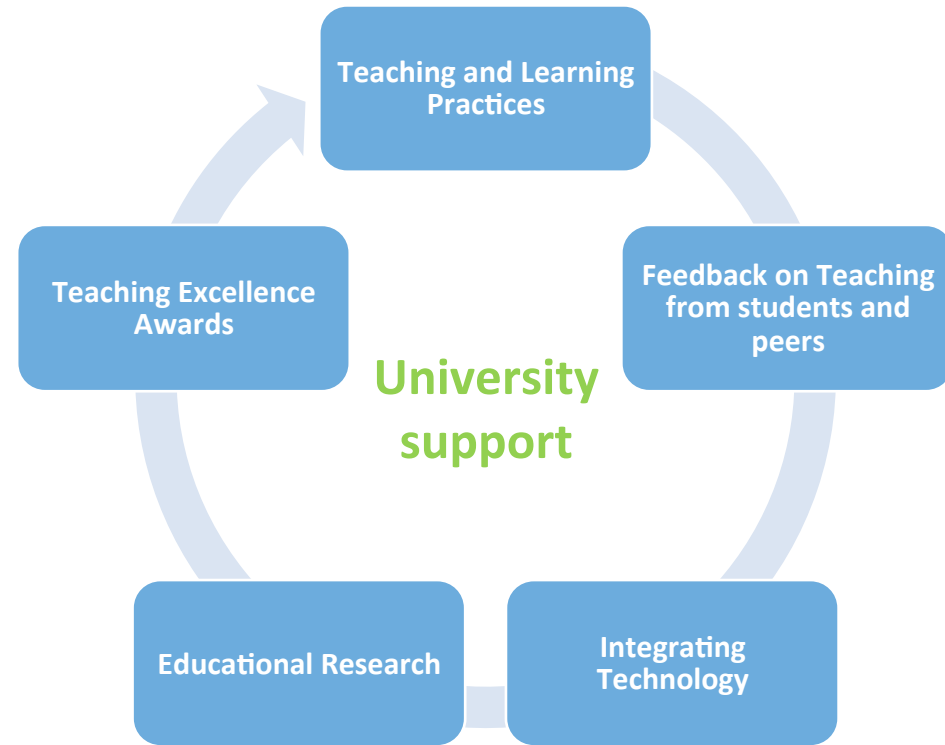
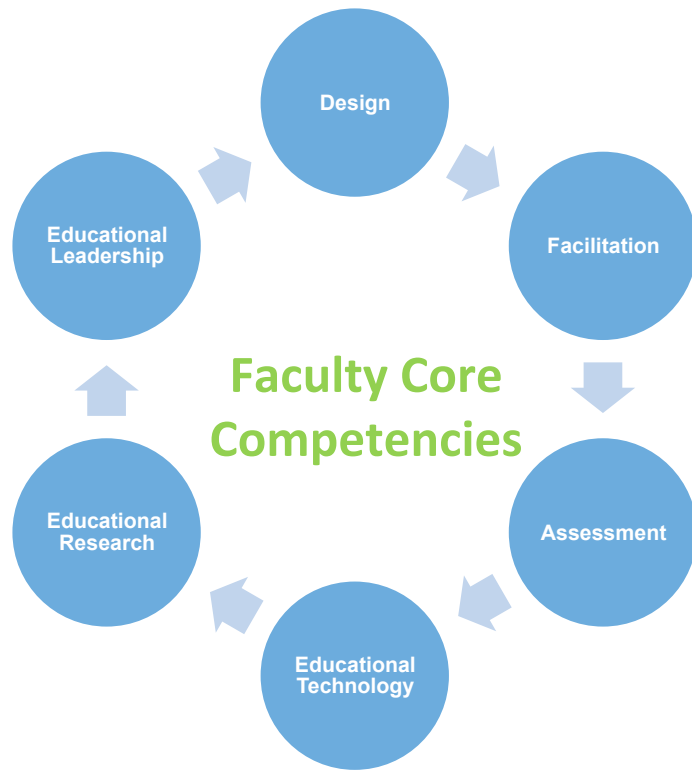


# INSTANT FEEDBACK



# ASSURANCE OF LEARNING

---





# FACULTY APPRAISAL

## Facilitation

- Preparation and organization
- Clarity and understandability
- The clarity of objectives and requirements
- Presentation and speaking skills

## Assessment

- Encouragement and openness
- Availability and helpfulness
- Fairness
- Concerns for students
- Quality and frequency of feedback

## Course design

- Quality and usefulness of course
- Quality and value of course materials
- Quality and usefulness of course assignments/projects

## Interaction

- Stimulation of interest in content
- Enthusiasm for the subject
- Degree to which the course was participative and interactive
- The learning experience in this course

Overall rating of the instructors  
Overall rating of the course

# TECH-INTEGRATION

---

## Barriers

**First-order: Hardware availability**

**Second-order: Mindset of teachers**

**Third-order: Learning design ability (support & leadership)**



# ROLE OF CTE

---



## TEACHING AND LEARNING PRACTICES

Evolve teaching through developing one's understanding of pedagogy, teaching expertise, and professional values over time



## INTEGRATING TECHNOLOGY

Enhance and transform existing pedagogy, as well as, solve instructional problems through appropriate use of technology



## EDUCATIONAL RESEARCH

Improve student learning and enhance educational quality through scholarly inquiry



## FEEDBACK ON TEACHING

Uphold the quality of teaching and learning through continuous student and peer feedback



## TEACHING EXCELLENCE AWARDS

Recognise and value the importance of teaching as a complex and multi-faceted activity

# WRAP UP

---

Comments & thoughts

Go To:

<https://padlet.com/limlaicheng/thots>

