

Why AICET?

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How the pandemic will change universities

In this last of a four-part series, Senior Education Correspondent Sandra Davie talks to Singapore Management University president Lily Kong about the changes that the coronavirus pandemic will bring to universities



Sandra Davie
Senior Education Correspondent

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When the Singapore Ministry of Education announced in August, most of us will see students alter

But what happens post-pandemic? Will their courses online? Will they have developed a familiarity

SMU president Lily Kong said that the online medium will be a

COVID-19 SPECIAL

How the Covid-19 pandemic forced us to relook education

Pamela Lim

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Prior to the pandemic, it seemed that the epitome of a good education was found only in elite schools, augmented by endless after-school enrichment, tuition and supplementary classes.

Many parents believed that the more their children left their homes for academic pursuits, the better their chances of doing well in school.

Then Covid-19 hit and everybody had to stay home.

Home-based learning set to be regular part of schooling post Covid-19, says Education Minister Ong Ye Kung



Sandra Davie



Home-based learning (HBL) is set to become a regular part of schooling for online learning.

Education Minister Ong Ye Kung in his video address to school leaders at the Ministry of Education (June 25), said that due to the pandemic, there will be a "crash course" in HBL.

HBL will be a substitute for school, where there is no physical contact. He said that HBL will be a substitute for school, where there is no physical contact. He said that HBL will be a substitute for school, where there is no physical contact.

Credit:
Straits Times



**“Make
Lemonades
out of Lemons”**



**“The teacher is
at the heart of
improving
education.”**



Key Insight

Innovation in education
is not
a technology problem.

It is a **pedagogy** problem.



**We will adopt a
“Pedagogy First”
approach to
developing and
deploying technology.**



3 Key Thrusts

1. Support the Singapore Ministry of Education in Deployment of AI Platforms
2. New and **scalable** platforms to support **(mostly online)** pedagogical innovation
3. Education innovations supported by technology

\$10 million over 5 years



National AI Plan for Education

Proof-of-Concept Adaptive Learning System

Let's hear it from Jiunn Huat!



How can we improve teaching?



Approach

1. Identify pain points or pressing problems
2. Build software to solve the problem
3. Validate with users and iterate







100 Million students study programming

Source: [100 million students worldwide participate in Hour of Code](#)

Problem

30%
Failure
Rate ¹

#1
Reason
Shortage of
teachers²

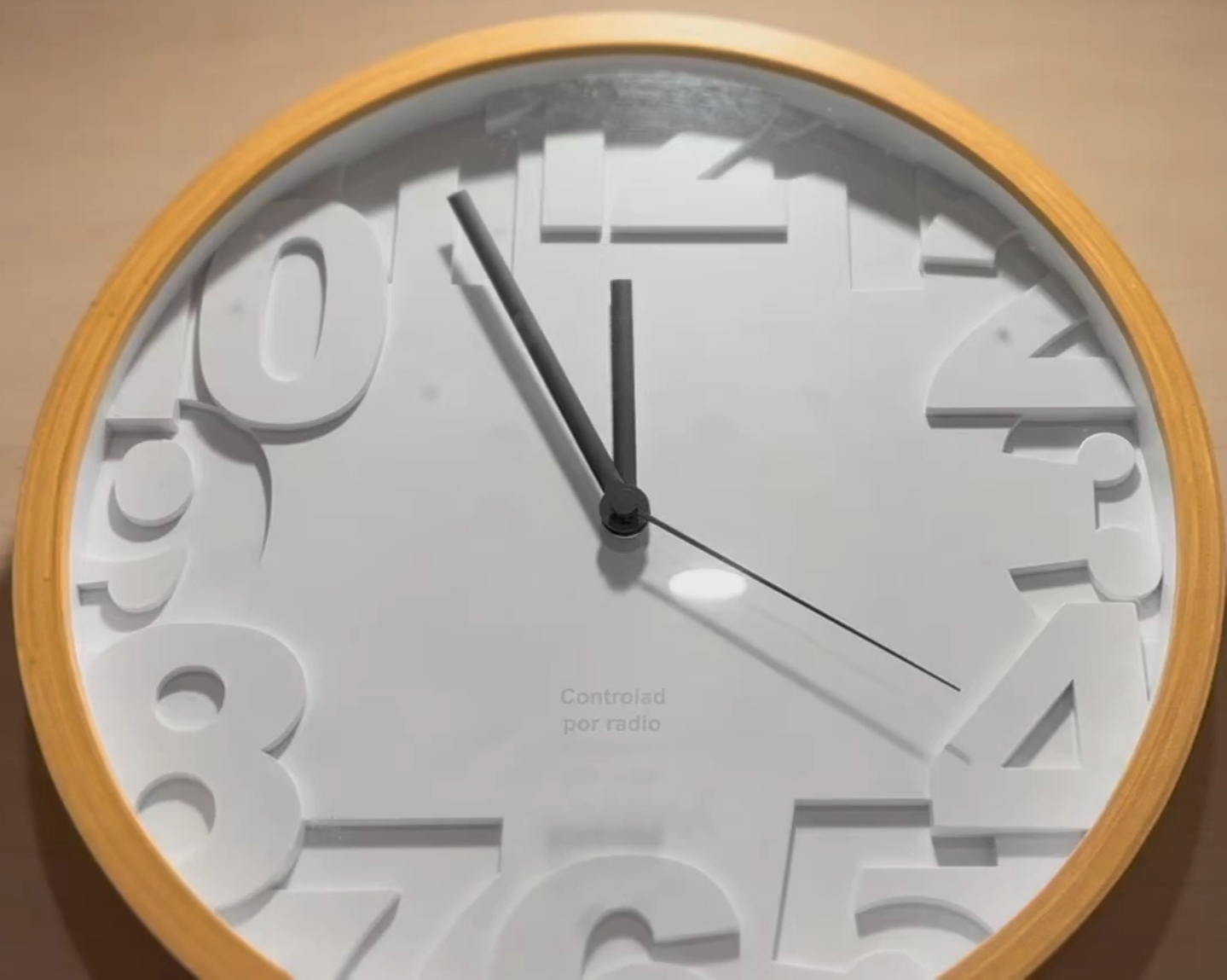
Cornell University programming students
wait for 2 hours to seek clarifications ³

1. Source: [A new account of outcomes in CS1, Computer Science Education](#)

2. Source: [College of Education 2021 Impact Report](#)

3. Source: [Keynote by Sumit Gulwani, IJCAI-ECAI 2022](#)





Controlat
per radio

Work-in-progress:

Adaptive Chatbot for Teaching



Work-in-progress:

**Plagiarism
checking in the
era of ChatGPT**



Turing Test for Teachers



“

Teacher are at the heart of good teaching and teaching is the business of managing motivation.

We build tools that help teachers connect with more students and teach effectively online, so as to increase their reach to many more people and eventually, across geographical boundaries.

”



Identify real problems/
opportunities

Build AI-based software

Iterate with real users



Vision

Xerox Parc in Education

Focused on helping
teachers!



**Thank
you!**

