Preparing Teacher to be a Change Agent: Singapore Experience

Dr Shanti Divaharan
Associate Professor Educational Technology
Learning Sciences & Technologies
National Institute of Education
Singapore
Singapore’s Master Plan Journey

MasterPlan 1

1997 - 2002

Building the Foundation
First ICT Masterplan in Education: A strong foundation to harness ICT

Focus
ICT training for all teachers
ICT infrastructure for all schools
Educational software & resources for all schools

Achievements
Students can complete ICT tasks
Teachers can integrate ICT in classroom
Schools have infrastructure for ICT based lessons
Pockets of excellence in ICT use

1997
- Launched RFI ICT Masterplan in Education
- Launched iSchool MALL MOE's portal for ICT in Education

1998
- Started core teacher training & provision of school-wide infrastructure for all schools
- Started school cockpit administration system for management of school and student related information

1999
- Launched annual student ICT@School campaign

2000
- Launched annual teacher ICT@School campaign

2001
- Launched iQuest (Quality & Excellence in Schools through Technology)

Singapore’s Master Plan Journey
MasterPlan 2

Singapore’s Master Plan Journey

MasterPlan 3

Deepening Learning, Sharpening Practices

Preparing students who will be Future-Ready & Responsible Digital Learners

- Deepen student’s learning with quality ICT-enabled learning and design.
- Sharpen the use of ICT in teaching and learning practices.
- Strengthen the focus on Cyber Wellness and New Media Literacies.

20 years of journey...
Teachers ... the change agent

Teacher + Learning Design = Student learning experience
Teachers ... the change agent

Presenter + Participants = Session experience
Let’s get you involved

• What 21st CC skills would you like the students to exhibit when they are learning in a technology-mediated classroom?
Go to www.menti.com and use the code 33 13 57

Name two 21st Century Competencies

1. Grab your phone
2. Go to www.menti.com
3. Enter the code 33 13 57 and vote!
Active...engaged students
PROGRESS IS IMPOSSIBLE WITHOUT CHANGE, AND THOSE WHO CANNOT CHANGE THEIR MINDS CANNOT CHANGE ANYTHING.

George Bernard Shaw
So... focus on the teacher

**ENGAGE**

A: to hold the attention of
B: to induce to participate

(Merriam-Webster Dictionary)
NIE’s approach (Learners)

• Walk the talk – modeling best practices
  – Providing the learning experience
• Opportunities to design
  – Application of what they have experienced and learnt
• Implementing through micro teaching
  – Gain implementation experience and feedback
NIE’s approach (faculty)

• Listening
  – Listening to faculty concerns “& apprehensions

• Short-term solutions
  – Time, acknowledgement, innovative funding source

• Long term approaches
  – Appraisal of faculty, sharing of best practices, recognition of innovative practices, setting up support teams (learning design & technical support)
BRINGING NIE TO COLOMBO 😊
Thank you