Master of Education (Learning Sciences and Technologies)

- The Med LST is one of the master specialization that NIE offers
- A brief history
  - The launch of IT masterplan 1, masterplan 2 and now MP3
  - The launch of Professional Development Continuum Model (PDCM)
  - These backgrounds give rise to the needs and the market
Design rationale

- This program is designed within the general Master of Education structure.
- In general, NIE Med students must take two core courses, at least 4 specialization electives and 3 other courses plus Critical Inquiry to graduate.
- Within this structure, we crafted 9 specialization courses.
Course structure

- Compulsory courses from GPR:
  - Med 871 Educational Inquiry 1
  - Med 872 Educational Inquiry 2
- Specialization (at least 4)
- MMM 800 OR Dissertation (6 AU)
- A total of 30 Aus to graduate
Specialization Courses (at least 4)

- MLT 801 Foundations of Learning and Knowledge Building
- MLT 802 Engaged Learning in Knowledge Building Communities
- MLT 803 IT as Cognitive Tools
- MLT 804 Design Studio
- MLT 805 Design Experiments
- MLT 806 Social Foundations for the Learning Sciences
- MLT 807 Cognitive Foundations for the Learning Sciences
- MLT 808 Design of Interactive Learning Environments
- MLT 809 Research Methodologies for the Learning Sciences
Types of offering

- PDCM (433)
  - Example

- Evening class
  - For general public, self sponsored
  - For MOE, possible to be sponsored
  - May be able to complete in two years
Current and past enrollment

- Evening class
  - 1\textsuperscript{st} cohort, Jan 2006, 12 teachers. 2\textsuperscript{nd} cohort, July 2006, 6 teachers. The last person should graduate 2009 July.
  - Next cohort, Jan 2009, 15 participants

- PDCM
  - July 2007, 9 participants
  - July 2008, 15 participants
Course Evaluation

- To date, anonymous course evaluations were good
- Most courses scored above 3.4 out of 4 point scale
- Our graduates usually assume higher appointment after completion
Moving ahead

- We are in the process of reviewing and improving our courses.
- We plan to conduct in-depth interviews among graduates to understand how their learning impacts classroom teaching.
- We may look into offering the course to international students.