South Asia Regional Symposium on ICT for Education
Colombo, Sri Lanka

ICT: Solution to Education Challenges

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Han River in Seoul, Korea, 1961
Han River in Seoul, Korea, Now
Economic Miracle in Singapore
Education and ICT Made Differences

- South Asia
- Korea
- Singapore

Note: South Asia includes Afghanistan and Pakistan as well.
Where We Are...
Improved Physical Access to School

Source: Barro and Lee (2016).
Improving Education Quality is BIG Challenge in South Asia

Mean Score

Singapore | Korea | OECD average | Viet Nam | Thailand | Indonesia | Tamil Nadu (India) * | Himachal Pradesh (India) *

Science | Reading | Math

Developing Asian Countries Participated in PISA

OECD average

India

Source: OECD Programme for International Student Assessment (PISA), 2015

* PISA 2009 results
Improved Internet Access to Education Services

Percentage of the Internet Access
Need to Groom Non-Routine Cognitive Capacity

Changing Demand for Skills in United States

Why ICT for Education?
## Addressing Remaining Education Challenges

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Expensive?

Double Teacher Program in China

- 20 Provinces
- 200+ Secondary Schools

Source: Min Tang
Need Universal Internet Access?

DVD-based Distance Learning Program in Rural Bangladesh

Source: Yasuyuki Sawada
MathCloud in Bhutan and Sri Lanka

Invest in Computer or Content?

MathCloud in Bhutan and Sri Lanka

Grade 8 Students
Are Teachers Ready?

If we teach today’s student as we taught yesterday’s we rob them of tomorrow

John Dewey
AI is not likely to replace teachers, but AI can optimize teaching, improve job-matching, and enhance personalized learning.
Conclusion
Hardware Alone Not Solution

Hardware

Connectivity
  Contents
  People
Need of Holistic Approach on ICT for Education

Hardware

Connectivity

Contents

People

Connectivity
Thank you