Innovative ICT Practices in Teaching and Learning: A Regional Seminar
9-11 October 2012, Sejong Hotel, Seoul, Korea

Facilitating Effective ICT-Pedagogy Integration Project
Funded by Korean-Funds-In-Trust (KFIT)

Shaping the Future of Education with ICT

2012. 10. 9
Damian Yoonsuh Kim
I. ICT Mega Trend
   1. Traffic
   2. Connected
   3. Platform
   4. Partnership

II. Key Words in Learning

III. SK telecom & Smart Learning
Note) Data Alive: Visualizing the amount of network usage (voice, SMS, data)
"Connected" ICT Brings About an Innovation in the Industry as a Whole

- Instrumented with Sensor
- Interconnected by Network
- Intelligent with Computing

Enhancing the Quality of Life
Increasing the Productivity & Maximizing the Value of Product/Service
“Platform”

【Tablet PC】
Positioning as Media Dedicated Device, Tablet PC is able to create its own Ecosystem

Apple in Education
iBooks Author (Curriculum, Material for Tutors)
iPod Touch
iPhone
iPad
Mac
iBooks2 iTunes U (Content for Students)

ACOT*
Investigate the 21st Century’s Learning Environment

Reform the textbook strategy
Align with Top 3 textbook publisher in US

【E-Book】
Thanks to the Success of KINDLE, E-book has placed its way of Content Distribution on a solid base

Amazon launched KINDLE in 2007, KINDLE Fire (USD 199) in 2011, KINDLE Fire HD (USD499) in 2012
Barnes&Noble, the largest book store in US, launched Nook Tablet in 2011, competing with Amazon

*ACOT (1985~1995, Apple Classrooms of Tomorrow)
"Partnership"

**Android Ecosystem**
- Android O/S (Platform) – Android Market (Content)

**Amazon Ecosystem**
- Amazon.com/Amazon Web Service (Platform) – e-Book Content – Kindle (Device)

**Melon Ecosystem**
- Melon.com (Platform) – Digital Music (Content) – SK telecom (Network)
I. ICT Mega Trend

II. Key Words in Learning
   1. Open Equal Opportunity
   2. Solving Educational Divide
   3. Eco-system

III. SK telecom & Smart Learning
“OPEN” Equal Opportunity

[OCW: Open Course Ware]

To Unlock & Share the Knowledge by Providing Free Lectures Notes, Video, etc.

TED (Technology, Entertainment, Design)

18 Minute-Lecture to Share the Idea worth Spreading

“Moment of Changing the World, 15 Minutes,” Korean Version of TED
Solving “Educational Divide”

[OLPC]

OLPC (The One Laptop per Child), a Non-Profit Organization born in MIT Media Lab, Aims to provide a Low-Cost Laptop to Each Child in Developing Countries in order to Educate the World’s Poorest Children through ICT.

**XO-1**

The Unit Cost of Production = USD 100
Supply 1.5 mil Units Globally in ’08~’12
Funded by Google, AMD, RedHat

**XO-3**

The Unit Cost of Production Less than USD 100
(Rolled out in 2012)
“Eco-System”

Collaboration and Consideration of Each Party within the Education Eco-System shall bring the Changes

II. Key Words in Learning

3. Eco-System

“Paradigm Shift”

Set a Policy in Place to Sustain & Develop the Eco-System

Publish & Distribute Digital Contents

Develop Tools & Technology to Boost up the Eco-System

Not Merely Consume but Also Produce the Contents

Provide Platform & Infra. to Uphold the Eco-System

[Government]

[Educational Institutes]

[E-Learning Player]

[ICT Player]

[User: Student, Teacher]
Ⅰ. ICT Mega Trend

Ⅱ. Key Words in Learning

Ⅲ. SK telecom & Smart Learning
  1. Platform
  2. Smart Solution
  3. Partnership
“Platform” for private education

Tablet (2011.7~)

- Align with Cheungdam Institute, Digital Daesung
- Personalized & Integrated Learning Tool with Tablet PC

Smart Phone (2012.3~)

- TSL-ting: Align with Kongshin.com, Huenet
- Align with the most influential textbook publishers

N-Screen (2012.8~)

- Coursework for you to choose
- Providing tutoring movie clip
- Textbook + digital service

Coursework for Secondary School

PC Web + Tablet + Smart Phone
"Platform" for public education

Main ISP Agenda

1. Cloud-based Infrastructure
2. Smart Learning Platform
3. Smart Content Distribution System
4. Provision of ICT Devices
5. Execution Plan

Blueprint on the Phase-In of Digital Textbook & Smart Class by 2015
“Smart Learning for Underprivileged Students”
“Create Smart Learning Solutions for Disabled Students; Guarantee the Equal Learning Rights”

- Developed Learning Solutions dedicated to the Hearing-Impaired Students
- Provided LTE Tablet PCs to 1,000 of Health-Impaired Students (‘11.12)

Social Educational Enterprise
- ‘Happy Classroom’: After-School Tutoring Program for 5,600 Students in 42 Schools
- ‘Happy Library’: Establish 5 Libraries in Distant Area

Educational Infrastructure
- ICT Mentoring (Career, Study)
- Audio Book for Visually Impaired Students
“Learning Appcessory”

- Learning Content + Application + Smart Accessory

Smart Beam

Smart Robot
“Smart Beam”
“Smart Robot”
“Local Partnership”

Create Virtuous Cycle in Building Smart Learning Ecosystem

Develop, Acquire, Cultivate the Converged Education Contents
“Global Partnership”

< Education Partner >
- Partnership with HMH, No.1 K-12 Textbook Publisher in US ('12.5)
- Co-develop Smart Learning Platform

< Network Partner >
- Partnership with Telkom, No.1 Network Operator in Indonesia
- Launched Mobile Smart Learning ('12.5)

< Government & Institutes >
- Participating in a Tender in Middle East Asia
- Co-organize the Regional Education Seminar with UNESCO ('12.10)
THANK YOU!

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