Mobile technology innovation in education

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Social Investment
Developing mobile solutions that make a positive impact

- Enhancing quality of life and stimulating social and economic growth using mobile technologies and applications.

- Focus areas: education, health and livelihood. In addition, solutions that can be used to address a variety of social issues across the focus areas.

- Cooperate with governments, NGOs, developer communities and university partners and build ecosystems from ground up around the programs and open source solutions.
The Corporate Social Investment portfolio follows externally validated goals

**Education:**
Education for All goals from literacy to quality of education and life-long learning.

**Livelihood:**
Mobile money and financial literacy, employment, entrepreneurship

**Health:**
Millennium Development Goals including combating HIV/AIDS, maternal health and child health.
Education
Talent is universal. Opportunity is not.

- Hillary Clinton

• We believe that all individuals have the **right to learn and grow**.

• Mobile technologies have potential to **offer equal opportunities** for all, provide **access to quality learning** and provide the **scale and 24/7 service**.

• Harnessing mobile communication to achieve **Education for All**.

**EDUCATION FOR ALL GOALS**

• Expand early childhood care and education

• Universal primary education

• Promote learning and life skills for young people and adults

• Improve adult literacy

• Achieve gender equality

• Improve the quality of education
Nokia Data Gathering
Fast and accurate data collection

• Nokia Data Gathering helps organizations do questionnaires on phones, not paper.
• Improves data collection speed, efficiency and accuracy of the collected data
• Freely available to download and use (open source solution)
• Used by governments and large companies already in Asia, Latin America and Africa

93% cut in dengue fever cases in Brazil
39% cost and 48% time savings in data collection in Indonesia
Nokia Near Field Communication tool
Next generation learning

• Current learning methods and ways to deliver educational content are changing.
• Nokia Near Field Communication Tool takes the information sharing and educational experience to the next level, presenting the end-user with relevant video, audio, picture and text.
• For example, at cultural institutions it stimulates a maximum outcome for exhibition visitors and offers organizations improved conditions to showcase their products.
Nokia Education Delivery
Improved quality of education

• Nokia Education Delivery enables the delivery of educational content for individual use and peer/group sharing.

• A catalog of media items is visible to the phone owner. It may be shown to audiences on the phone, on TV or projector.

• Whether viewed by individuals, or groups these resources provide access to quality education in remote or resource-poor settings.

• Upload capability allows classroom-generated content to be shared.

• Videos used to supplement, not replace teaching.

Attendance level increased from 55-70% to 80-90% in Tanzania
Nokia Education Delivery
How it works

1. Download software
   Download software to your Nokia phone.

2. Access media files on server
   This allows access to a server to download media files.

3. Download media files
   Media files can then be downloaded to your handset.

4. View files on a phone, TV or data projector
   Videos can be viewed directly on a phone or via a cable connected to a TV or data projector.

Nokia Education Delivery
How it works
Nokia Education Delivery
How it can be applied

In schools:
• Videos could be integrated into curriculum-based lessons

By NGOs and public organizations:
• To raise local awareness of social issues

By governments & commercial organizations:
• To disseminate information / develop skills in remote areas at low cost

• The **content of the videos is determined by the organization**, so it can be used for almost any training / educational purpose.

• Nokia can also tap into our global content provider network of partners, if required.
For students / trainees

- Access to quality education
- A new perspective on the world around them, beyond their community
- An alternative and engaging way of learning

For educators

- Better access to dynamic, interactive resources
- Motivated, engaged learners
- Up-to-date, relevant educational material

For governments / organizations

- Staff training in remote locations; new skills can be applied immediately
- Saves time and costs
- Learning anytime, anywhere
- Versatile, easy to use
Text2Teach is a collaborative project of

Ayala Foundation  NOKIA  Globe

PHILIPPINES (A case study)
MISSION

Make a significant contribution to the quality of teaching and learning in underserved schools and communities in the country.

- Using advanced mobile communications technology for educational purposes

- How the public, private sectors and civil society can cooperate successfully both at the local and global level

- Complements local curriculum with high quality educational content delivered through high-speed digital connection and with integrated teacher training
Philippine Implementation Team

Nokia
Connecting People

Technology developer and enhancer

Local project leader; resource mobilization; schools validation & coordination; technical support

Ayala Foundation

Mobile communications service provider

Globe

Content development; Teacher training

Seamdeo

Defines the curriculum-based objectives of the program; coordination with / introduction & use of T2T in selected schools

DepED

Department of Education

Nokia
Text2Teach Scale

- Target of **1405** schools by 2014

- More than **1M** students benefitted and continue to benefit from the program.

- More than **5000** Grades 5 & 6 teachers & principals trained

- **Towards sustainability:** Local government & Dept. of Education taking ownership. Model for other corporate funders.
Immediate Results

- Lessened teachers’ burden in preparing lesson plans
- Easier to teach Science, Math and English
- Improved teacher competence and attitudes towards using technology
- Short videos captured students’ interest
- Raised students’ performance
- More positive attitudes toward learning
- Higher learning gains in all subjects and in both grades
- Reduced absenteeism
- Full of support from the community for technology-enhanced lessons
THANK YOU!

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