GROUP 4

E-LEARNING DEPLOYMENT IN RURAL AREAS

CONTENT

- Building an inclusive Information Society
- Turning Digital Divide to Digital Dividend
- Prioritized application: **e-Learning**
  - Unconventional ways of teaching and learning through electronic media
  - Anywhere, anytime, anybody, anything **(ubiquitous)**

THE PROBLEMS

1. Content
2. Human Resource
3. Budget
4. Infrastructure
5. Awareness
6. Terminal

(1) INFRASTRUCTURE

- Distinctive distance and geographical constraints
- Poor to no network infrastructure
- Scarce to no electricity supply

(2) BUDGET

- **HIGH** commissioning cost:
  - Infrastructure
  - Terminals
  - software
- **LOW** annual ICT budget allocation
- **LOW** profit for business viability

(3) CONTENTS

G4

- **POOR** local content development
- **LACK** of contents in local language
- **HIGH** time consumption for content development

(4) HUMAN RESOURCE

- **SCARCE AVAILABILITY** of human capital:
  - ICT-literated **TEACHERS**
  - Operation & Maintenance **SKILLED PERSONS**
  - **SOFTWARE DEVELOPER**

(5) AWARENESS

- Lack of focus on ICT literacy in Government policy

- Poor campaign for positive use of the ICT

- Conventional teaching and learning method is **DOMINANT**

(6) TERMINALS

- **WIDE COVERAGE** of deployment location

- Lack of ICT-ready school :- network and multimedia terminals

KEY ENABLER FOR EFFICIENT AND EFFECTIVE E-LEARNING

7M Principles:

- Standards (**M**achine)
- Human Resource Management (**M**an)
- Project Management (**M**anagement)
- Resource Management (**M**aintenance)
- Finance (**M**oney)
- Public Private Partnerships (**M**aterial)

<u>M</u>easurement is applicable to all for evaluation purposes

TERMINAL: STANDARDS

G4

- Identify user requirement to set terminal specification
- Possibility to use new & used PC with minimum requirement
- Possibility to use WLAN topology
- Identify options of terminals available in market

TERMINAL: HR MANAGEMENT

- Preparing good curriculum
- Training teachers and students to operate PC, Office Suite and Internet
- Motivating teachers and students
- Campaign to create awareness and familiarization

TERMINAL: PROJECT MANAGEMENT

- Setting up steering committee
- Setting up time frame
- Identifying installation location
- Preparing tender document

TERMINAL: FINANCE MANAGEMENT

- Enhancing Government policy to include:
    - Decreasing terminal price through subsidy, tax relief and custom duty exemption
    - Engaging school cooperative for operation by collecting minimal rental fees from users
  - Increasing budget allocation for equipping schools with terminals

TERMINAL: RESOURCE MANAGEMENT

- Terminal is accessible to multiple users
- Pro-education policy
- Supports from local government

TERMINAL: PUBLIC PRIVATE PARTNERSHIPS

- Seeking supports from private sectors
- Requesting international cooperation:- PC donation by JICA
- Maintenance by school cooperative

CONCLUSION

- To ensure productivity in problem-solving - **KISS (Keep It Super Simple)**, hence **TERMINAL**

- Solutions are based on 7M principles to ensure the holistic approach in the process

- Top priority: **STANDARDIZATION**

WAY FORWARD:

- **To customize terminal platform standards to suit multiple services based on specific needs to cut cost and promote openness**

- **To support regional standardization efforts through contributions of findings**