

**ICT in Non-Formal Education**

**Anir Chowdhury**  
Policy Advisor  
Access to Information Programme  
Prime Minister's Office

1

**Formal vs. Non-formal Debate**

- hierarchically structured, chronologically graded, standardized
- for the mainstream students
- schools, training institutions
- whose needs?
- ad hoc, not standardized
- for the dropouts
- NGOs, community organizations
- learners needs mostly

2

**Paradigm Shifts in the World:  
The School has left the Building!**

3

**Paradigm Shifts in the World  
Education has gone soft!**

PARTNERSHIP FOR 21ST CENTURY SKILLS

Learning and Innovation "The 4 C's"	Digital Literacy	Career and Life
Critical thinking & problem solving	Information literacy	Flexibility & adaptability
Creativity and innovation	Media Literacy	Initiative & self-direction
Communication	ICT Literacy	Social & cross-cultural interaction
Collaboration		Productivity & Accountability
		Leadership & responsibility

4

**"Sustainable" Learning**

After 2 weeks,  
we tend to remember ...

Reading	• 10% of what we READ	P a s s i v e
Hearing Words	• 20% of what we HEAR	
Seeing	• 30% of what we SEE	
Watching a Movie Looking at an Exhibit Watching a Demonstration Seeing It Done on Location	• 50% of what we SEE & HEAR	
Participating in a Discussion Giving a Talk	• 70% of what we SAY	
Doing a Dramatic Presentation Simulating the Real Experience Doing the Real Thing	• 90% of what we SAY & DO	A c t i v e

Source: Edgar Dale (1969)

5

23 Teachers, 7 Schools

6


### ICT in Education 'Myths'

1. ICT in Education = ICT Education—
2. ICT Literacy must be TAUGHT to students—
3. First step is setting up computer labs—

7

### The kind of ICT we need in education

- Cost-effective
- 21<sup>st</sup> Century skills focused
- Enjoyable and effective for teaching-learning
- Students and Teachers friendly
- Reduces 'Digital Divide'



**Multimedia Classroom:  
A Model for the Developing Countries**

### Multimedia Classroom



**Transform education, not IT education**

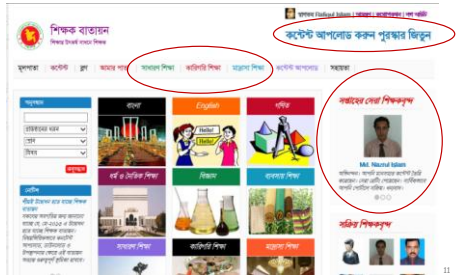
### eBOOK

শিক্ষকে, যেকোনো ছাত্র-যেকোনো সময়



10


### Teachers' Collaboration



11

### Rethinking Teacher Training



- Content
- Practice
- Activities
- Collaboration
- Mentoring
- Competition
- Constructivist activities (cannot be pre-packaged)





12



- ### Skills Priorities
- 21<sup>st</sup> century skills
    - Critical thinking
    - Problem solving
    - Collaboration
  - Market-oriented skills
    - Current markets (trades that we know)
    - Emerging markets (call centre, ship breaking/building)
    - New markets (business process outsourcing)

- ### Curriculum and Content
- Digital Content (video & animation) for
    - Literacy
    - Life skills
    - Livelihood skills
    - Continuing education
    - Others
  - ICT literacy
    - Provide infrastructure and internet if we can afford it nationally
    - Do NOT provide instruction
- 
- 

- ### Curriculum and Content (contd.)
- Trade-based Content (video & animation)
    - Use & repair of Computer, Photocopier
    - Fisheries, Poultry, Nursery
    - Food processing, Candle, Cheese making
    - Others
- 

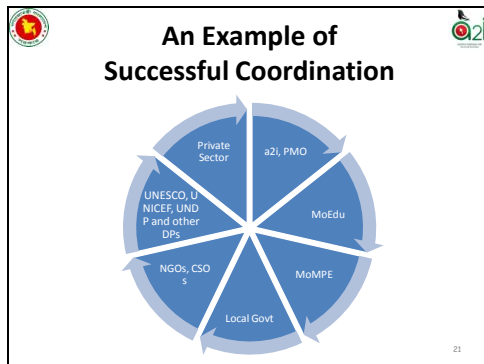
- ### Awareness Building
- Early Childhood Care and Education (ECCE)
  - Child labor
  - Child trafficking
  - Health and Personal Safety
  - Life skills
  - Livelihood skills
  - Others
- 

- ### Infrastructure
- Internet connectivity
  - Community Learning Center (CLC)/UISCs
  - Education TV
  - Community Radio
  - Mobile ICT-Van (awareness building)
  - Interactive and dynamic web-portal for NFE
  - Mobile phone to be explored further as education delivery channel
  - e-Learning Platform

### Education TV

### Coordination

- Among projects
- Among NGOs
- Govt. Divisions/agencies
- International organizations
- Development partners
- National and local media
- PPP
  - Attracting private sector investment (not just CSR)



### National Policies

- National Education Policy
- National ICT Policy
- ICT in Education Master Plan
- 6<sup>th</sup> 5-year Plan
- Curriculum

### International Collaboration

- Good practices
- Knowledge sharing for teachers and education officers
- Exposure and ‘eye-openers’ for policy makers (both government and non-government)

### South-South Network

South-South Network  
for  
ICT in Education  
(SSNIE)



***Thank you***