Innovations in Education:

Teacher-led Digital Content Development for Multimedia Classroom: An endeavour designed to Empower Teachers

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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
The kind of ICT we need in education

• Cost-effective
• Enjoyable and effective for teaching-learning
• Students and Teachers friendly
• Reduces ‘Digital Divide’

Multimedia Classroom: A Model for the Developing Countries
Computer Lab <--> Multimedia Classroom

- $25,000
- 5,500+ schools
- Only Computer course
- No classroom Teaching-Learning

- $1,500
- 30,000+ schools
- All students
- Maximum Teaching-Learning

Transform education, not IT education
Multimedia Classroom

1 Laptop + 1 MM Projector + Teacher-led contents

Integration of ICT & Pedagogy
- Enjoyable and effective learning
- Teacher-Students interaction
- Inquisitiveness
- Question-answer
- Group/pair/individual work
- Project-based learning
Teacher-led content development

- Easy to demo abstract ideas
- Develop need-based contents
- Create student-centered learning environment
- Ensure enjoyable and effective learning
- Enables more Students-Teacher interactions

Confidence is increasing

11-15 May 2010
Teacher-led content development

Content development by others
- Highly-professional
- Attractive
- Easy to operate
- Passive role of teachers
- Difficult to modify
- Development cost is huge

Content development by teachers
- ICT-Pedagogy Integration (80-20)
- Ensure teacher’s ownership and professional development
- Need minimum technology literacy (PPT, Internet, Phonetic Typing, etc.)
- Liberty for content development
Digestive System
Teacher-led Content

Geography

Bangla

English

Science

Mathematics

Social Science

Agriculture

Geography

Creativity being unleashed
Enhancing quality teaching-learning

**Responses to statement:**
"I like multimedia lessons because it is more interesting to see videos and photos than to have a normal lesson."

**Response to statement:**
"We should have multimedia lessons for all subjects."

**Responses to statement:**
"I like multimedia lessons because I can understand things easier when I see the pictures."

- **Enjoyable & effective learning**
- **Easy to understand**
- **Sustainable learning**
- **Learning by participation**

Research Findings: Dr. Deborah Wyburn et al (TQI-SEP)
Empower educators and learners to Collaborate

- 33000+ members
- 24000+ contents
- 3800+ blogs

www.teachers.gov.bd
Present Status

- Established 25000+ MMCs
- A resource pool of 1000+ teacher-educators
- Trained 30,000+ teachers on content development
- All Secondary MMCs by 2016
- 10,000+ Primary MMC by 2014

Have we achieved anything more?

MMC on YT: https://www.youtube.com/watch?v=3-xe4SAKrvY
Creating Ecosystem...

- Functional PTI and TTC labs
- Connectivity ensured in training labs
- Proficient resource pool
- Expert Supervisors for monitoring and mentoring
- Collaborative platform for co-creation
- Empowered teachers
Creating Ecosystem...

Motivation:

• Best Teacher of the week-
• Teachers Conference
• Study visit abroad
• Content Competition
Empowerment of teachers...

- **Creativity** being unleashed
- **Confidence** is increasing
- **Collaboration** among teachers
- **Motivation**, incentives
Recognition...

- e-World Award 2010
- National Innovation Fair Award 2010
- National Digital Innovation Award 2011
- e-ASiA Award 2011
Policy interventions

- National Education Policy
- National ICT Policy
- ICT in Education Master Plan (supported by UNSECO)
- Projects formulated for establishing multimedia classrooms and T-led content development
- Curriculum Development
Strategic Priorities

• 1st Phase
  – At least ONE Multimedia classroom in every school
  – Making EXISTING computer labs functional

• 2nd Phase
  – All classrooms transformed into Multimedia classrooms

• 3rd Phase
  – All schools have computer and language labs
Beyond the Boundary...

- Maldives
- Nepal
- Suriname
- Seychelles
- Bhutan

What next...?
Way forward...

- Interactive e-Books
- Education related citizen services
- Designing e-Curriculum
- Education Fair
- e-Learning Platform development
- Education TV
Strengthen the bridge

Curriculum <------- > Students

Empower teachers...
The reasonable man adapts himself to the world: the unreasonable one persists in trying to adapt the world to himself. Therefore all progress depends on the unreasonable man.

(George Bernard Shaw)
Thank you