

Survey of ICT in Education in India & South Asia



Stakeholder Workshop, 10th August 2009

Agenda



Proposed Survey

Discussion Sessions

- Policy for ICT in Education in India / South Asia
- Government initiatives in promoting ICT in Education
- Quality improvement through ICT in Education
- Financing ICT in Education
- Capacity Building for ICT in Education
- Innovations in the use of different media, tools

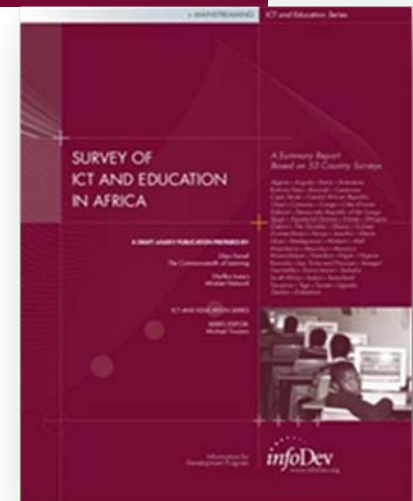
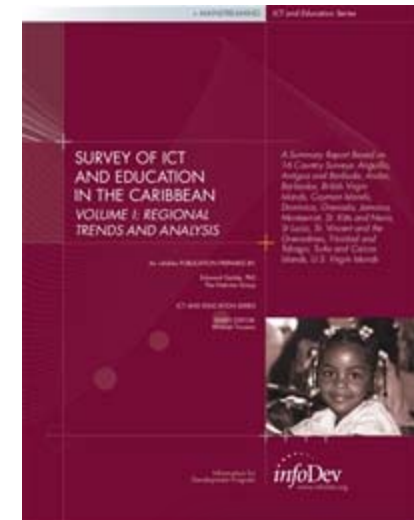
World Bank Perspective

Closing Remarks

Context of the Survey

infoDev/World Bank is facilitating a series of regional surveys on the use of ICTs in Education

- The regional study for Africa was completed in 2008 and for the Caribbean in 2009
- The proposed survey, of ICT in Education in India and South Asia, will be the third in the series



Objectives of the Stakeholder Workshop

To create a platform for continued stakeholder participation for the proposed Survey. <http://wikieducator.org/ICT4SouthAsiaEd>



To discuss best practices, experiences, key constraints any other relevant issues in the use of ICT in Education

To highlight key thematic areas to be covered for the Survey

To finalize selection of States to be studied in detail



Proposed Survey

Survey of ICT in Education in India & South Asia



Two fold objective of the proposed Survey:

Repository of ICT Initiatives in Education

- To create a repository of major initiatives using ICT in Education in India & South Asia
- To analyze dominant trends and best practices

Framework for Policy Guidance

- Designing strategies for effective integration of ICT in Education

Approach

The project will proceed through three distinct phases, namely:

Phase I Design

The overall project design, work plan, research plan, stakeholder communication plan will be finalized in this phase.

Design Platform
for Stakeholder
Interaction

Finalize themes
for essays

Conceptualize
Survey &
Country Reports

Undertake
research for
Survey

Undertake sub
national level
case studies for
India & Pak

Prepare Draft
Survey Report &
Country Reports

Phase II Execute

Work on the actual survey and secondary research will be done in this phase.

Phase III Report

The Survey Report and the Country Reports will be submitted after several rounds of review and feedback is incorporated.

Conduct Review
Workshop

Finalize reports
based on
feedback

Key Work Products

Design

Project
<http://wikieducator.org/ICT4SouthAsiaEd>

Inception Report

Detailed Work Plan

Interview Plan/
Questionnaire
Format for Key
Persons

Stake Holder
Database
Developed
Continuously

Bibliography
of Resources

Profiling of
Major Initiatives

General Policy
Framework &
Delivery
Mechanism

Execute

Essays on
Different
Themes

Socio Economic
Background for each
country including
policy & delivery
infrastructure

State case
studies

Constraining &
Enabling
Features

Report

Stakeholder
Database

Report on Survey
of ICT in
Education, in
India & South Asia

Country Reports

Bibliography of
all Resources

Interim Survey
Report

Interim Country
Report

Final Deliverables

Limitations



The Survey would focus more on Primary and Secondary Education, but would also cover initiatives in tertiary education, vocational, non formal & mass education, distance education; where these are significant for the region or the country



The Survey will primarily be based on secondary research and face to face or telephonic interviews and workshops with relevant stakeholders. It will thus not be an exercise in primary data collection

Proposed Thematic Essays for the Survey Report

1. Policy framework for ICT in Education

2. Capacity building for ICT in Education

- Physical Infrastructure
- Training of Teachers, Administrators, Students
- Financing ICT in Education (funding patterns including PPP)

3. ICT in School Education (Primary & Secondary)

- Key trends
- Major Initiatives
- Constraints & enabling features

4. ICT in Non Formal Education, Vocational Education

5. Gender Equity & the use of ICT in Education

Discussion Point

- Are these Thematic Essays Relevant?
- Any other significant theme that we should consider?
- Any volunteers for taking up essays for the report?

States proposed for detailed study

Discussion Point

- Would these five state provide us the best inputs keeping in mind the survey objectives?

Andhra Pradesh

Delhi

Gujarat

Karnataka

Punjab



Discussion Agenda



ICT Policy In Education
2:00 pm - 2:30 pm

ICT Policy in Education in India / South Asia

Discussion Points

- Few countries in the region have a distinct Policy for ICT in Education (India, Pakistan, Sri Lanka have nascent strategy documents or are in the process of developing a comprehensive policy).
- Is there a benefit of having a focused & comprehensive policy?
- Need and imperative of Integration with Education and IT Policies?
- Integration with developmental priorities of the government: equity and access issues
- Advocacy and Community Participation
- Elements of a Policy for ICT in Education
 - ❖ Curriculum
 - ❖ Digital Resources
 - ❖ Infrastructure
 - ❖ Capacity Building
 - ❖ Monitoring & Evaluation Framework
 - ❖ ICT for Education Management
- Operationalizing Policy through a detailed strategy and implementation plan



Government Initiatives
Promoting ICT in Education
2:30 pm- 3:00pm

Government Initiatives in Promoting ICT in Education in India

- Major national level schemes using ICT in Education:
 - ICT @ Schools, 2004
 - SSA has ICT component
 - Sakshat Portal
 - EDUSAT
 - ICT in Kendriya Vidyalayas, Navodaya Vidyalayas
- Many other innovative initiatives at the State level
- Key issues in existing schemes & initiatives



Quality Improvement
through ICT in Education
3:00 pm – 4:00 pm

Quality Improvement through ICT in Education

- Impact of ICT in Education on Learning Levels
 - Are there impact analysis studies measuring student achievement using ICT against Minimum Learning Levels at each stage?
 - Monitoring & Evaluation methodology for ICT in Education?
 - Standards for learners, teachers, infrastructure in ICT in Education?
International Society for Technology in Education <http://www.iste.org/>
- Developing quality digital content (CIET, NCERT, NIOS, SIET, IGNOU, Private Providers)
 - Agencies for content development can take up development of new types of digital resources?
 - Issues in existing initiatives
 - Role of private players in content development



Capacity Building for ICT
in Education
4:00 pm – 5:00 pm

Capacity Building for ICT in Education

- Human Resource Development
 - Teacher Training (Pre Service & In Service)
 - Training for School Administrators
 - Training for Education Department personnel
- Infrastructure
 - Hardware
 - Connectivity
 - Content Development & Software
 - Enabling Infrastructure: Rooms, electricity

Should minimum standards be prescribed for all of the above mentioned requirements.



Financing ICT in Education
5:00 pm- 5:30 pm

Financing ICT in Education

- Types of funding
 - Government: what are the funding commitments of different arms of the government: IT, Education, Information & Broadcast
 - Role of Private players
 - Public Private Partnerships
- Areas of funding
 - Connectivity (including last mile)
 - Hardware (Radio, TV, Computer)
 - Content development/digital resources & Software
 - Training



Innovative Uses of
Different Media & Tools
5:30 pm- 6:00 pm

Innovative use of Different Media and Tools

- What are the different access/delivery device that may be used: TV, Radio, Computers
- What are the different kinds of connectivity options that may be explored: offline, online, cacheing internet content
- Feasibility of Low Cost Devices



Thank You