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](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
Two fold objective of the proposed Survey:

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

Repository of ICT Initiatives in Education

Framework for Policy Guidance

- Designing strategies for effective integration of ICT in Education
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.

**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.
Key Work Products

**Design**
- Inception Report
- Detailed Work Plan
- Interview Plan/Questionnaire Format for Key Persons
- Project http://wikieducator.org/ICT4SouthAsia Ed
- Stake Holder Database Developed Continuously
- Bibliography of Resources

**Execute**
- Profiling of Major Initiatives
- General Policy Framework & Delivery Mechanism
- 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
- Final Deliverables

**Wiki Profile**
http://wikieducator.org/ICT4SouthAsia Ed

**Interview Plan/Questionnaire Format for Key Persons**

**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 states provide us the best inputs keeping in mind the survey objectives?
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, caching internet content

• Feasibility of Low Cost Devices
Thank You