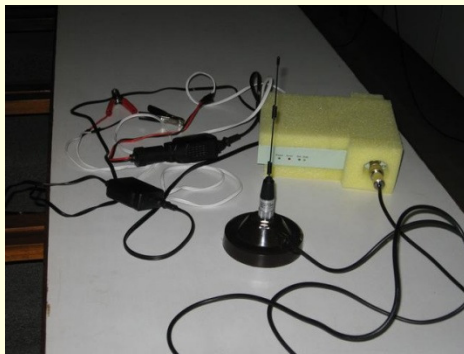
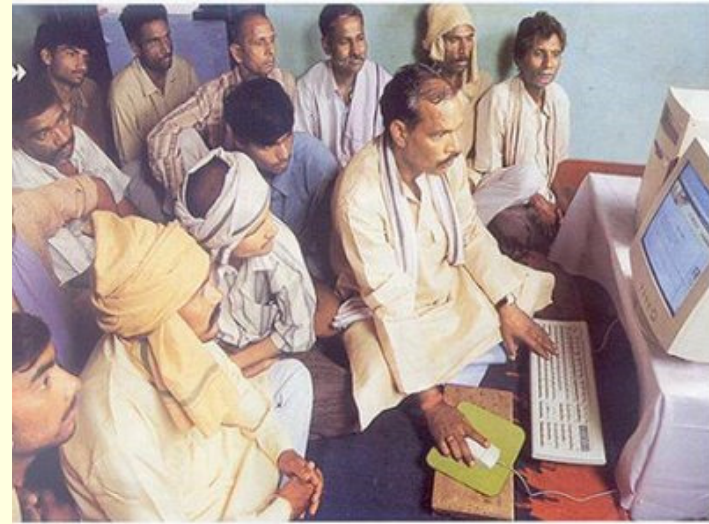


Introduction to ICTD

Aaditeshwar Seth

August 2010

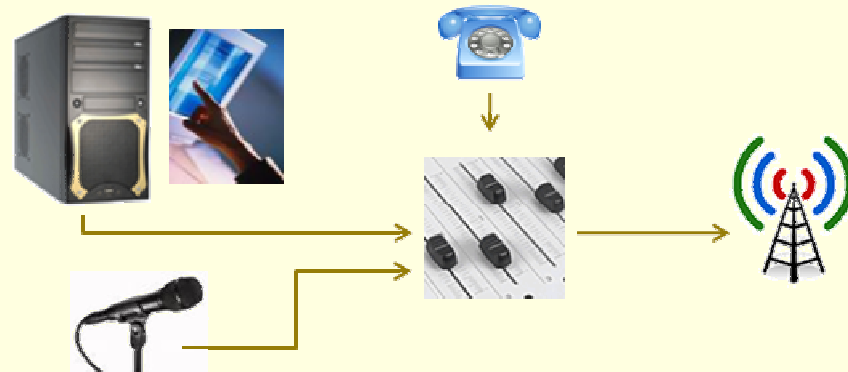
Internet access in rural areas



Video conferencing for tele-medicine



Community radio



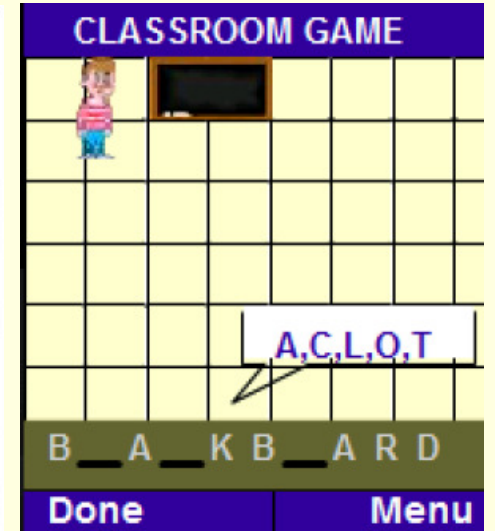
Education



(a) Books in print



(b) Books on DVD



Voice messaging



Civic media



Ushahidi Alpha
Crowdsourcing crisis information.

Home Reports Submit an Incident Get Alerts How to Help

MEDIA FILTER: REPORTS NEWS PICTURES VIDEO ALL

SEARCH

Kenya

Map showing incident locations in Kenya, with a legend for categories: RIOTS, DEATHS, PROPERTY LOSS, SEXUAL ASSAULT, INTERNALLY DISPLACED PEOPLE, GOVERNMENT FORCESS, CIVILIANS, LOOTING, PEACE EFFORTS.

Submit an Incident! Submit via SMS

Send your SMS to 6007 on your phone

From: Jan 2007 May 2007 Sep 2007 Jan 2008 May 2008 Dec 2008

Asia Buzz: Revolution

How text messaging toppled Joseph Estrada

By ERIC ELLIS



January 23, 2001

Web posted at 2:00 p.m. Hong Kong time, 11:00 a.m. EDT

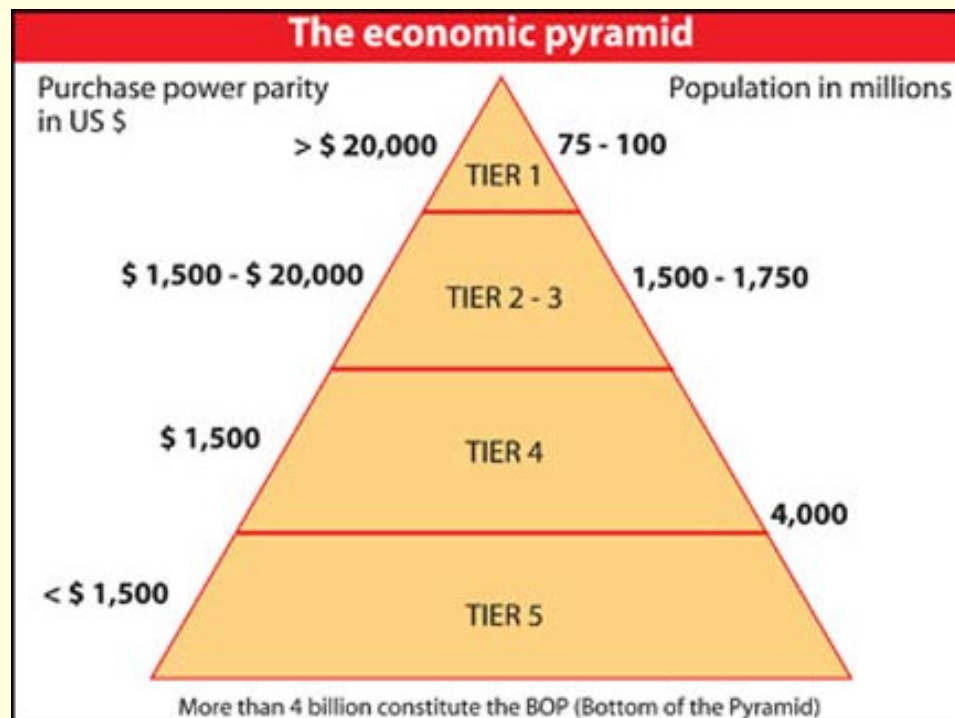


WITNESS

WITNESS uses video and online technologies to open the eyes of the world to human rights violations.

Why now?

- Anybody's guess
 - Cheaper computation (Moore's Law)
 - Proliferation of mobile phones
 - The Internet has managed to convey the power of information



A research area?

1/3

- It rarely works! Working with people is hard
 - Community radio: My wife had ideas for some programs, but she was ignored because she was not participating in the NGO's SHG program
 - Community radio: Nature of organization influences the kind of programs it creates: KMVS and DA
 - Mobile phones in Africa: Women rarely own cellphones, kept by men
- What may work can be completely counter-intuitive
 - Rural kiosk: Computers used to photoshop pictures, edit wedding videos
 - Interactive radio: Recorders helped women get their views to the radio station, gained respect with their men

A research area?

2/3

- Goals
 - Uncover factors that influence communities, people?
 - Create something useful that can help societies develop?
 - Eventually, translate into appropriate policies for widespread impact
- Scope for impact: Huge! Can this remove poverty? Can this open up new markets for companies?
- What's common to achieve these goals
 - Understand the context in which people use these tools:
Necessary to understand why something was successful or a failure
 - Closer to the way social scientists do experiments

Research area?

3/3

- Research method
 - Observe → Model and define problem → Hypothesis → Experiment → Conclusion
 - Test and control groups to check for differences
 - Qualitative and quantitative surveys
 - Carefully designed experiments to reduce chances of errors
- Examples of research questions
 - Revi Sterling: Does interactivity have any impact on the empowerment and status of women in the community?
 - Michael Best: Can video sharing and story telling help in post-conflict reconciliation?
 - Neil Patel: Do people attach the same credibility to local sources as they do to experts?

Course objectives

- Readings will give an idea of the different ways in which computer science can be used for development
- Guest lectures will give an idea of the people-related complexities in this area
- Other readings
 - Policy
 - Community driven radio or NGO driven? Subsidies? Free/cheaper cellphones for women? Free calls to home?
 - Financial sustainability
 - Failure of the rural entrepreneur model for kiosks? Scope for advertising?

Always keep in mind

“If all you have is a hammer, everything looks like a nail”

Maslow, 1960s