

Village Kiosk

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Village Kiosk



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ICT4SE



As per 2001 Census

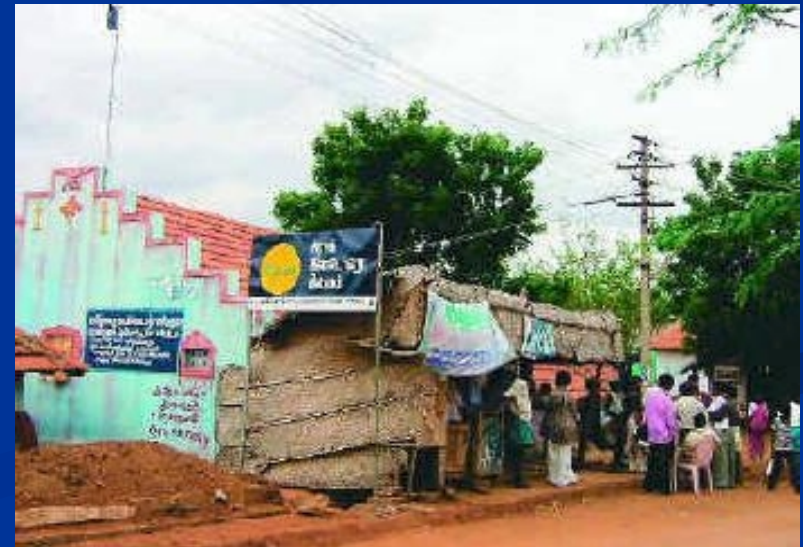
- 3.28 million sq kilometers
- 35 States and Union Territories
- Population: 1,028,610,328
- No. of Households: 193,579,954
- Avg. No. of persons per household: 5.3
- **No. of Villages: 638,588**
- No. of Towns 6161

As per July 2005

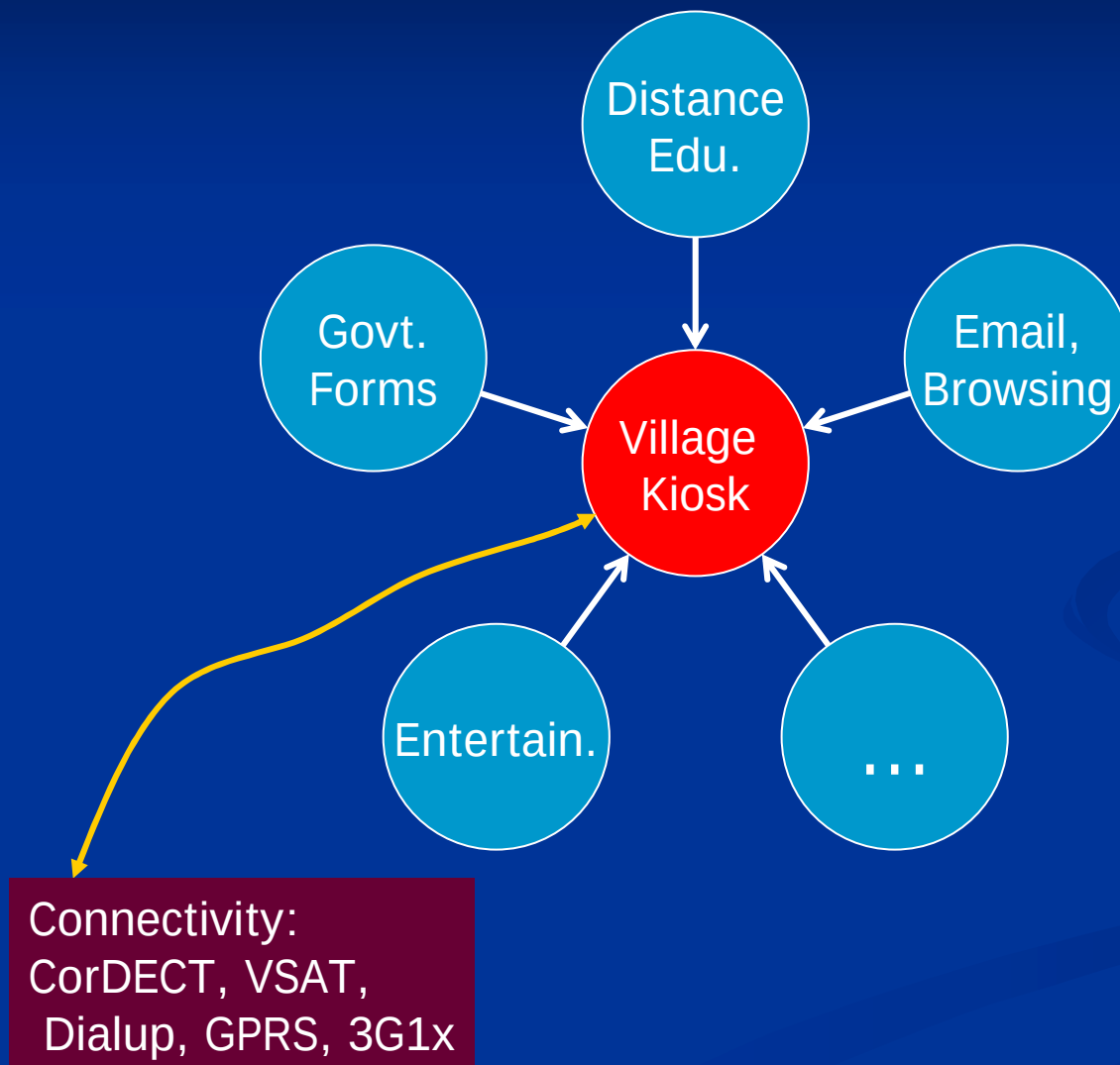
- GDP: \$650 billion
- Per Capita income: \$534
- India's economy ranked
 - **120** w.r.t. per capita GDP
 - **But ranked 4** if one considers **PPP** (purchasing power parity); after US, China and Japan

A village kiosk consists of

- Local Entrepreneur
- Equipment
 - Computer
 - Printer
 - Battery backup
 - Web-cam
 - Speakers, Microphone
 - Connectivity
 - Antenna assembly
- Cost of setting up a village Kiosk ~
Rs.50K to 1L



Typical ICT4D Model



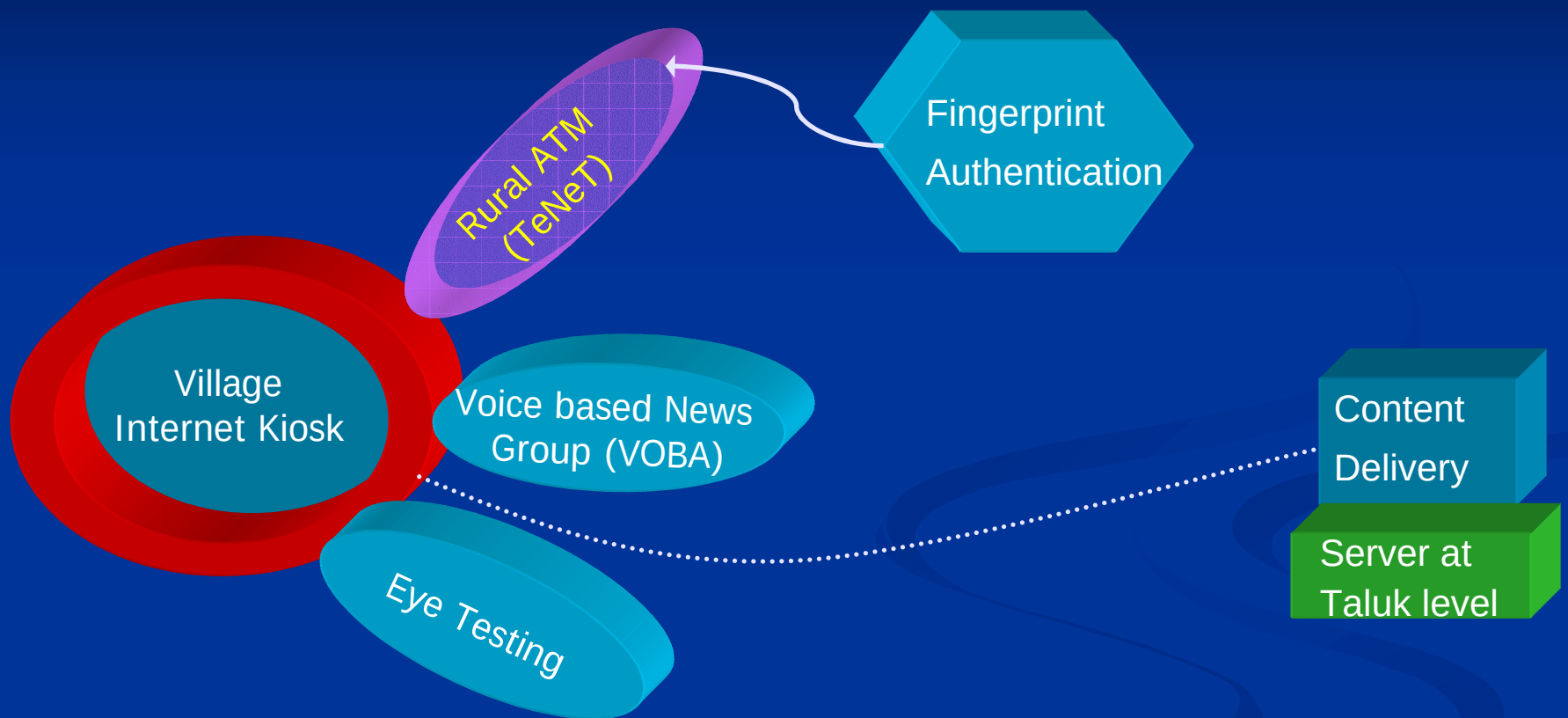
- Basically
 - Service model
 - Shared model
 - Aggregating model
- Motivated by PCO/STD/ISD booth and Cable TV model
- Good Model
 - Nevertheless, some research on the model may be in order
- Research aspect:
 - Connectivity
 - Services

Revenue Distribution at an n-Logue Village Kiosk in Melur District

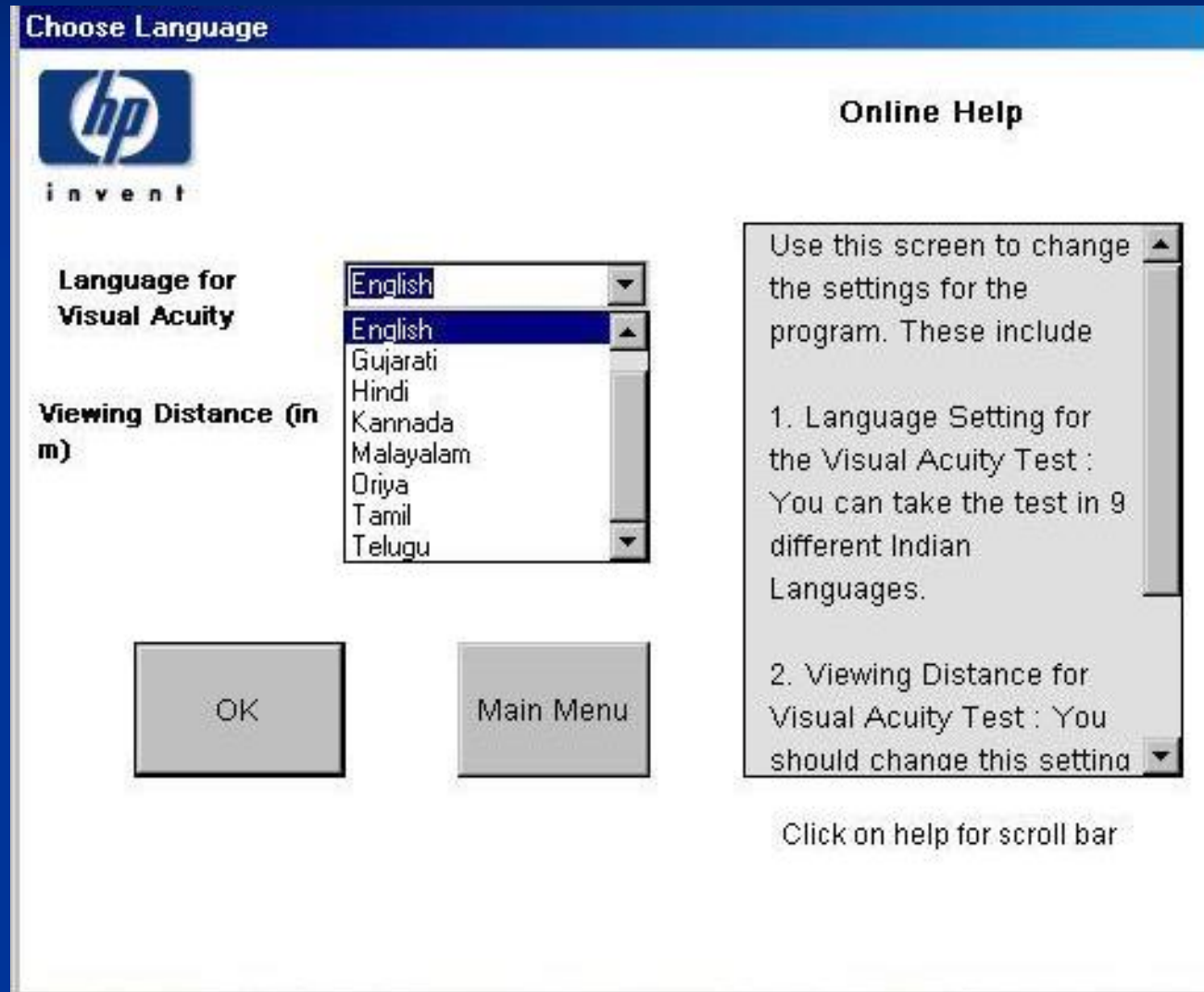
Email/Chat/Video Mail	15 %
Browsing	25 %
Govt. Applications	10 %
DTP	10 %
Printing	10 %
Entertainment	10 %
Computer Classes	20 %

Avg. monthly revenue for a commercially sustainable rural Kiosk needs to be about Rs.3000 to Rs.3500 (implying that the kiosk owner can pay back the monthly loan installment, and still have something to take home)

Some Illustrative Projects for Value Add to Kiosks



Eye Screening Systems: Used in Kuppam



Visual Acuity test: Tamil

Visual Acuity Test For Literate



20/ 70

Right Eye

Increase Letter Size

Decrease Letter Size

Record Observation

ஒள ந ய ல

Online Help

This is the Visual Acuity Test Screen. This will check your eye for sharpness of vision. To proceed with the test please follow the steps one by one ...

1. Please sit at required distance.

2. The test is to be taken first for the right eye with

2 m

Tamil

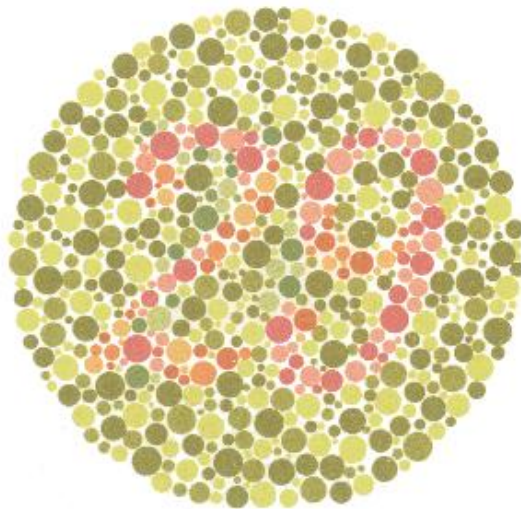
Main Menu

Color blindness test

Color Blindness



Observations



☐ Line(s)

☒ Number/Letter

☐ Nothing Clear

OK

Slide 3/24

Online Help

This is the color blindness test. To take the test do the following.

1. Please sit at normal viewing distance from the computer screen
2. Click OK button to start the test.
3. A circular picture will be displayed in the

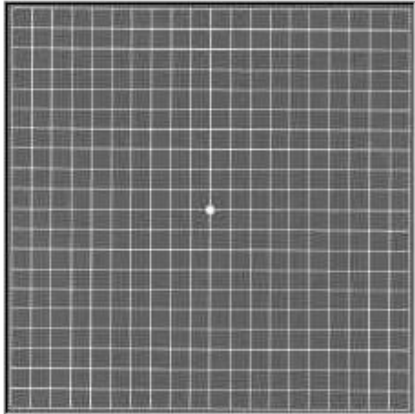
Click on help for scroll bar

Main Menu

Amsler grid

Amsler Grid

 **Right Eye**



Can you see the dot

☒ Yes

☐ No

Are the lines straight

☒ Yes

☐ No

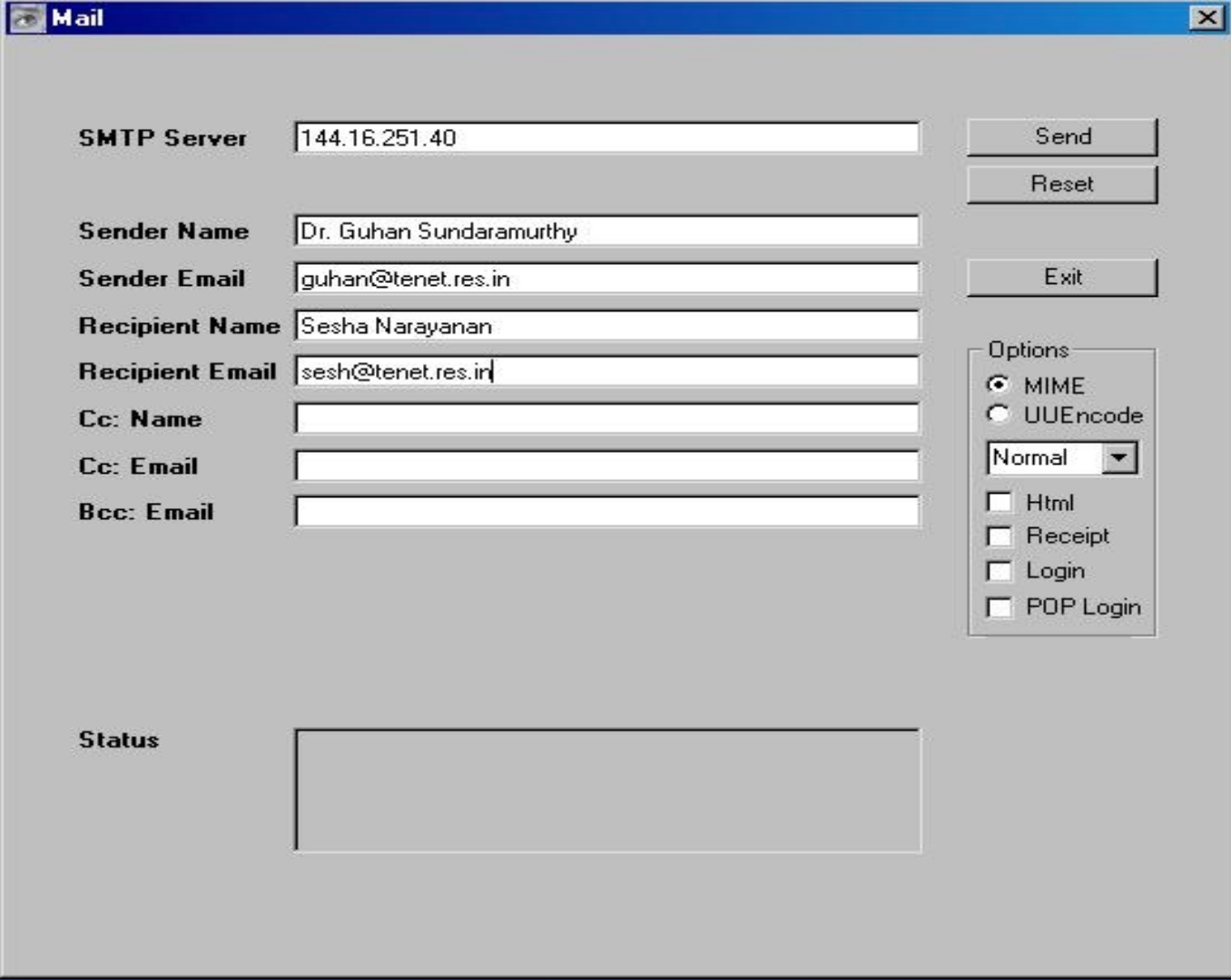
Online Help

This is the macular degeneration test. To take the test please do the following :

1. Sit at normal viewing distance from the computer
2. Take this test one by one for right eye with left eye covered, left eye with right eye closed and then with both the eyes open.

Click on help for scroll bar

Email the report

A screenshot of a 'Mail' application window. The window has a title bar with a small icon, the text 'Mail', and a close button. The main area contains several input fields and buttons. On the left, there are labels for 'SMTP Server', 'Sender Name', 'Sender Email', 'Recipient Name', 'Recipient Email', 'Cc: Name', 'Cc: Email', and 'Bcc: Email'. Each label is followed by a text input field. The 'SMTP Server' field contains '144.16.251.40'. The 'Sender Name' field contains 'Dr. Guhan Sundaramurthy'. The 'Sender Email' field contains 'guhan@tenet.res.in'. The 'Recipient Name' field contains 'Sesha Narayanan'. The 'Recipient Email' field contains 'sesh@tenet.res.in'. The 'Cc: Name', 'Cc: Email', and 'Bcc: Email' fields are empty. On the right side, there are three buttons: 'Send', 'Reset', and 'Exit'. Below these buttons is an 'Options' section. It contains two radio buttons: 'MIME' (which is selected) and 'UUEncode'. Below the radio buttons is a dropdown menu currently showing 'Normal'. At the bottom of the 'Options' section are four checkboxes: 'Html', 'Receipt', 'Login', and 'POP Login', all of which are unchecked. At the bottom left of the window, there is a label 'Status' followed by a large empty rectangular box.

VOBA: Voice Based News Group

- A news group which is voice enabled
 - Voice based messages (record and play back)
 - Talk icons
 - Minimal use of text
 - ✓ Text to be replaced by icons
- Can be viewed as a voice based discussion forum

VOBA™

VOICE BASED NEWS GROUP



CLICK HERE



SOFTWARE



india



1 group(s)

wireless



0 group(s)

science



1 group(s)

cooperative



0 group(s)

agriculture



0 group(s)

healthcare



0 group(s)

English

தமிழ்



LIST OF GROUPS

CREATE GROUP

LOG OUT

Welcome to the **india** group



Post a New Message

politics



0 group(s)

Subject	No of Articles	Most Recent Poster	Posted On
wavelet	1 articles	ashruf	Dec 04
Educational System in India	1 articles	venu	Mar 18



- dinakar
- msk
- dinakar
- msk
- ubdesai
- dinakar
- msk



[Go to healthcare Home](#)

Subject : Fitness No. of articles : 7

Posted by	on	Post your Reply
dinakar	Nov11	reply
msk	Nov11	reply
dinakar	Nov11	reply
msk	Nov11	reply
ubdesai	Mar 18	reply
dinakar	Nov11	reply
msk	Nov11	reply

Village Kiosks Reach in India

Out of 638,000 villages, about 6000 to 7000 have internet access; **about 1% villages are connected**

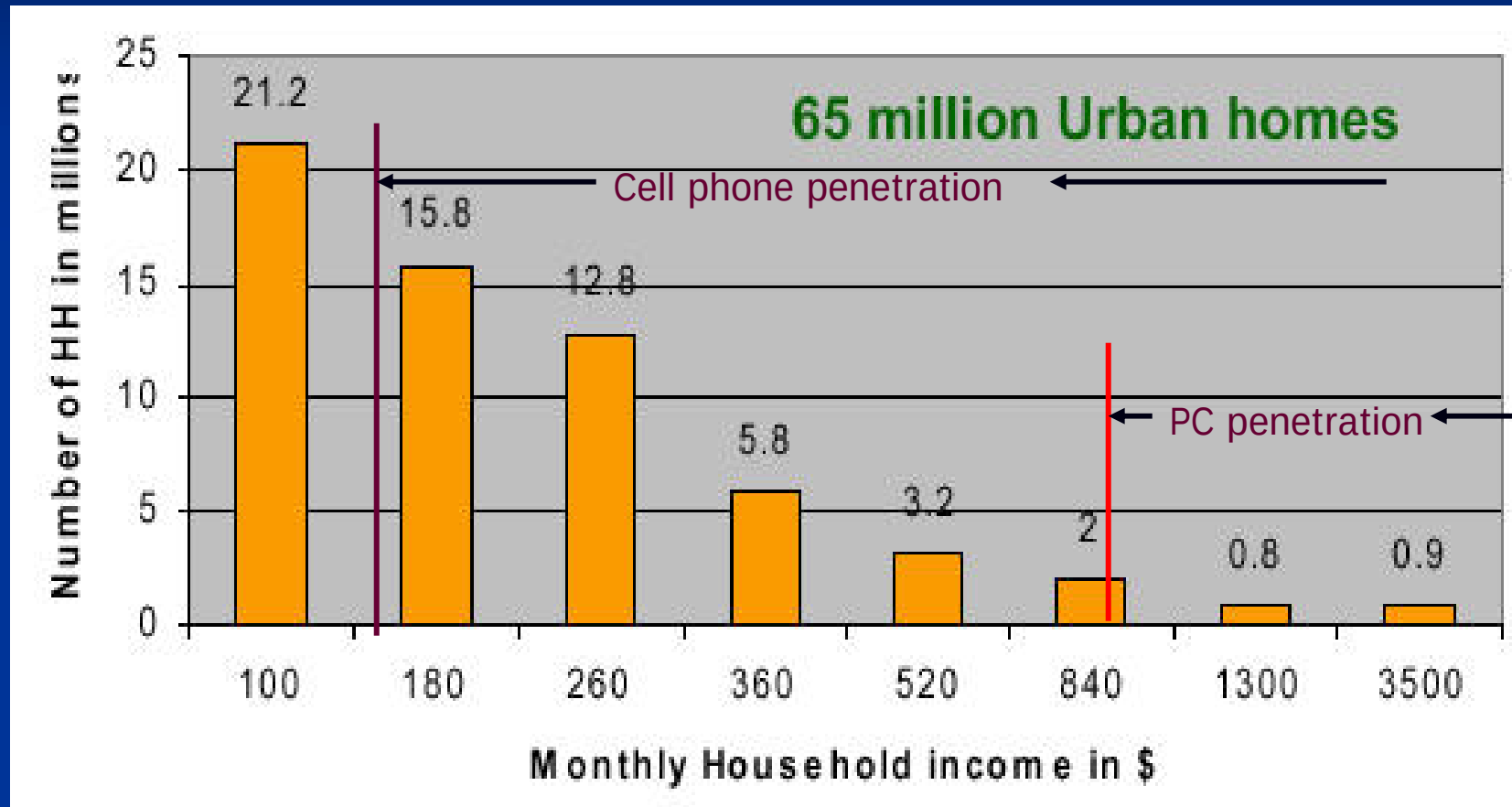
Mission 2007: (<http://www.mission2007.org/>)

- Connect 100,00 villages by 2008 (create VKC: Village Knowledge Centers)
- Phase I:
 - Finance Minister has set aside Rs.100 Cr. for creating 10,000 more VKCs by Feb 2006 – tall order

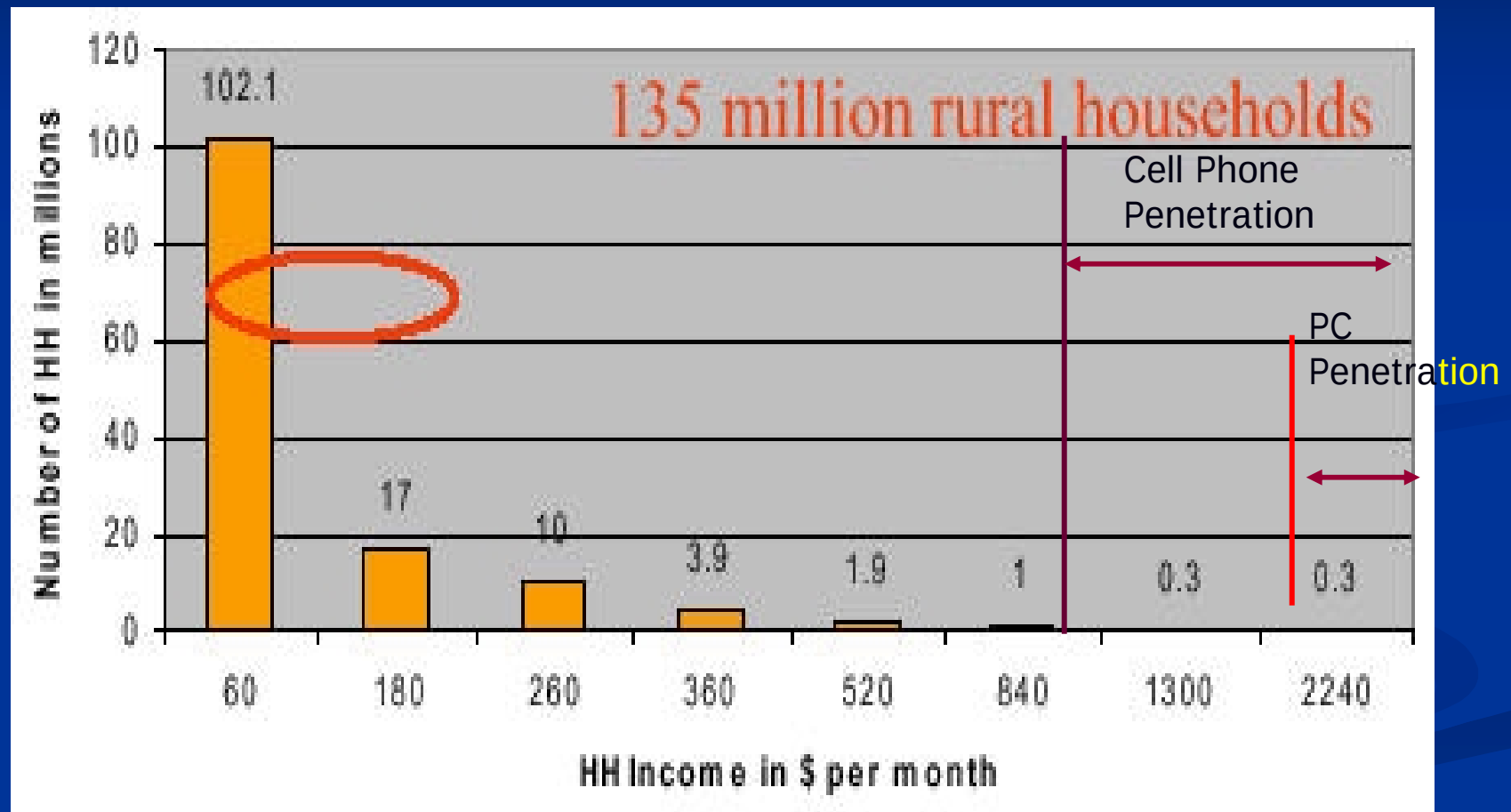
Questions?

- Is village Kiosk based on PC the best possible model?
- In which domain ICT can play a key role to profoundly impact the village economy?
- PC as Platform for ICT?

Urban PC and Cell Phone Penetration



Rural PC and Cell Phone Penetration



Some Observations

- PC penetration is about 10 million in 20 yrs
- 30 million Internet users
- Cell phones about 62 million in 9 yrs, and we are adding about 1 to 1.5 million every month
- Lowest cell tariff (voice calls) in the world, ~ 2 cents a minute
- Telephone density expected to cross 20% by 2008, and most of these will be cellular
- SMS: Very popular in India → one is comfortable with the cell phone as platform for messaging.

PCs vs. Cell Phones

PCs

- Focus has been on PC as the most desirable platform
- But scalability in rural areas is a major issue
- Extensive work on low cost PCs
 - Amachi PC (~Rs10K)
 - PCTVT (PC-TV-Telephone, expected price Rs.10K)
 - Networked Linux based PC (Novatium)
 - Dumb terminals
 - Rental model
 - Requires Broad band

Cell Phones

- Mobile phones have scaled phenomenally in India
- View mobile phones as a computer
- Use mobile phones as the platform for taking ICT to masses --- the platform is already there.