

URSI Workshop on
Rural Radio Communications
Services and Applications

Sridhar Iyer

KR School of Information Technology
IIT Bombay

www.it.iitb.ac.in/~sri

Three Areas

- Education
 - Content Development
 - Anchored Instruction
 - Streaming Technologies
- Consultancy
 - Agri Forums
 - IT enabled Services
- Communication
 - Within a village
 - With the external world

Educational Content Development

- Idea is obvious but
 - Not enough content is available!
 - ‘Standard Courseware’ typically targets urban scenario
 - Content is not always suitable for rural audience
- Content development can be a source of revenue
 - Developer from a village signs up on a Content Portal
 - Developer picks up a task for content creation
 - Gets paid upon task completion!



[Home](#)
[About OSCAR](#)
[➔ Wish List](#)
[➔ Browse All](#)
Animations
[➔ Search](#)
[➔ Suggest](#)
[➔ Submit](#)
[Other Links](#)

Search the Repository

Keyword:

or

Area:

◆ [Suggest Animation](#)

◆ [Submit Animation](#)

Join Community
[Developer](#)
[Mentor](#)
[Sponsor](#)
[Mailing List](#)

Registered User
[Login](#)

The main goal of Project OSCAR (Open Source Courseware Animations Repository) is to create a repository of web-based, interactive animations for teaching various concepts and technologies.

The concepts range from high school to advanced topics in many areas. Each animation is typically a Java Applet that focusses on one concept and enables the user to learn about the concept in an interactive manner.

All the material developed in this project are Open Source Courseware. Permission is granted for download/use/modification/distribution of this material, for non-commercial purposes; standard "public-domain" rules. Please be kind enough to acknowledge the original authors.

[Contact Us](#)

[Contact Us](#) | [Feed Back](#) | [Sitemap](#)

Copyright © 2005 - 2006 KReSIT, IIT Bombay. All rights reserved.



Demo

Configure

Pause

Resume

Reset

Help

Analysis

Step

About us

Download

Simulation of Sliding Window Protocols

Sender
Window

Receiver
Window

List of Protocols

- Stop n Wait (SnW)
- Without Error
 - With Lost Packet
 - With Lost Ack
- Go Back n (GBN)
- Without Error
 - With Lost Packet
 - With Lost Ack
- Selective Repeat (SR)
- Without Error
 - With Lost Packet
 - With Lost Ack

Go!

SENDER

RECEIVER

Packet
No.

Timeout

1-5-9
2-6-10
3-7-11
4-8-12

- Frame
- Acknowledgement
- Frame lost
- Ack lost
- Sliding Window

Bandwidth(10-100 Mbps)

50

Delay(0.5-500)

20

Frame Size (50-4500)

50

No of Pkt to Xsmit (1-12)

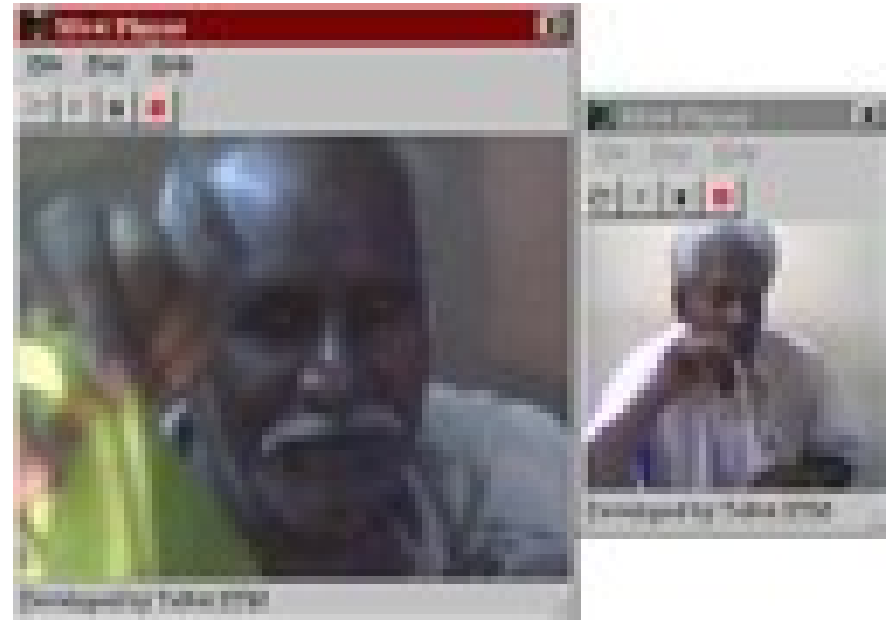
12

Win Size (2-4)

3

Online Consultancy

- Online Consultancy
 - Video mail
 - Video conferencing
 - Portals and forums



- Price Discovery Platforms
- Rural e-commerce

-TeNeT Group, IIT Madras
-<http://www.tenet.res.in/>

Forums and Portals: aAqua



aAqua almost all questions answered

[Home](#) Linux users : [Click here to download Hindi font.](#) [Release Notes](#) [Register New User](#)

Home > NEW!

Forums		All Forums
 पीके (crops)	Threads: 267	Posts: 581
 पशु (animals)	Threads: 27	Posts: 68
 इतर (Others)	Threads: 41	Posts: 84
 के.वी.के. बaramती सन्ना (KVK Baramati Recommendations)	Threads: 26	Posts: 71
 बाजार ची माहिती (market info)	Threads: 21	Posts: 32

Recent Questions		All Questions
Want detail information about Govt. Scheme for unemployd Agricultural graduate	Feb 23, 11:49 PM	nirmiti
export information sir we had a polyhouse on 5.5 acre.pl.send us detail information about how can roses export in lar...	Feb 23, 2:49 PM	charandas
PROCESSING OF ARECANUT (SUPARI) Please give me various processing activities which can be undertaken by farmers on Areca nut (Supar...	Feb 23, 11:56 AM	baramati
Fruit Ripening- Chemical Use Which Chemical Used Or Want Detail	Feb 23, 11:51 AM	

Bhav Puchiye - Lite (Baramati Version) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print

Address <http://www.projects.mlasia.iitb.ac.in/BP-lite/> Go Links

Bhav Puchiye - Lite (Baramati Version)

| [BP-Trends](#) |

Select Date:

2005-2-24

Vegetables **Fruits** **Cereals** **Oil Seeds** **Others** **Flowers**
 Brinjal Grapes Bajra Groundnut Cotton Astera

Brinjal

Markets With | Highest Arrivals | Highest Mid Rate | Lowest

APMC Name	State	Variety	Arrivals	Units	Low (Rs.)	Mid (Rs.)
Aurangabad	Maharashtra	Other	1.2	Tonne	200	250
Chandrapur	Maharashtra	Other	6.3	Tonne	150	200
Jalgaon	Maharashtra	Other	2	Tonne	100	300
Kolhapur	Maharashtra	Other	13.2	Tonne	150	950

Local intranet

Start | KReSIT ... | Microso... | Barama... | Media L... | untitled ... | Bhav P... | 3:17 PM

Rural IT enabled Services

The global outsourcing model has proved that quality work can be done remotely.

Extend this model to include the rural population in the outsourcing boom without requiring migration to urban areas.



-TeNeT Group, IIT Madras

-<http://www.tenet.res.in/>