



COMMONWEALTH *of* LEARNING



Commonwealth Heads of Government Meeting
Port of Spain, Trinidad

People's Forum

**Creativity in advancing distance
education: models and technologies**

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Mr Paul West and Dr Ramamurthy Sreedher

24 November 2009



The Commonwealth of Learning (COL)

Learning for Development





UN Millennium Development Goals

Keep the promise
Millennium Development Goals



Education for All (The Dakar Goals)



Peace
Democracy
Equality
Good governance

Three Models:

- L3 Farmers
- VUSSC
- Transnational Qualifications Framework

Three technical developments:

- LIVES
- Easy Now
- Edu-Frame

LIFELONG LEARNING FOR FARMERS





Three-Year Plan 2009-12

Learning for Farming
(Kodhandaraman
Balasubramanian)



Lifelong Learning for Farmers

4 Principles of the Model:

- Mobilise farmers to define their vision
- Link them to those with useful information
- Use commercial ICT kiosks
- Get Banks and Business involved



Lifelong Learning for Farmers Sri Lanka

Increase income and employment





Banana tissue culture - Hambantota



“individual universities focus on communities in their own region”



Mushroom cultivation – Ruhuna, Sri Lanka

Lifelong Learners





Loan agreed



Testing the quality of milk





Kakamega, Kenya



L3F Initiatives in:

Jamaica

Papua New Guinea

Kenya

Uganda

Mauritius

India

Sri Lanka

COMMONWEALTH of LEARNING

LEARNING FOR DEVELOPMENT



LIVES

Learning through Interactive Voice Educational System

Goal: to provide communities with a learning tool based on voice mails using mobile phones



<http://lives.cs.ubc.ca>

Reaching the Unreached

- LIVES has a strong feedback and performance tracking system
- A comprehensive data base on learning materials in various languages
- Reach more than 1000 learners at a time

Overview of The System

- **Students register**
- LIVES detects newly uploaded **lectures/quizzes** and calls the students at their preferred time
- The user **progress tracking** by user-profile database





mobile phones: not just a tool for talking, but also **a tool for learning** improving livelihoods of illiterate and semi-literate people



The Commonwealth of Learning (COL) is involved in reaching the unreached through lifelong learning. It promotes:

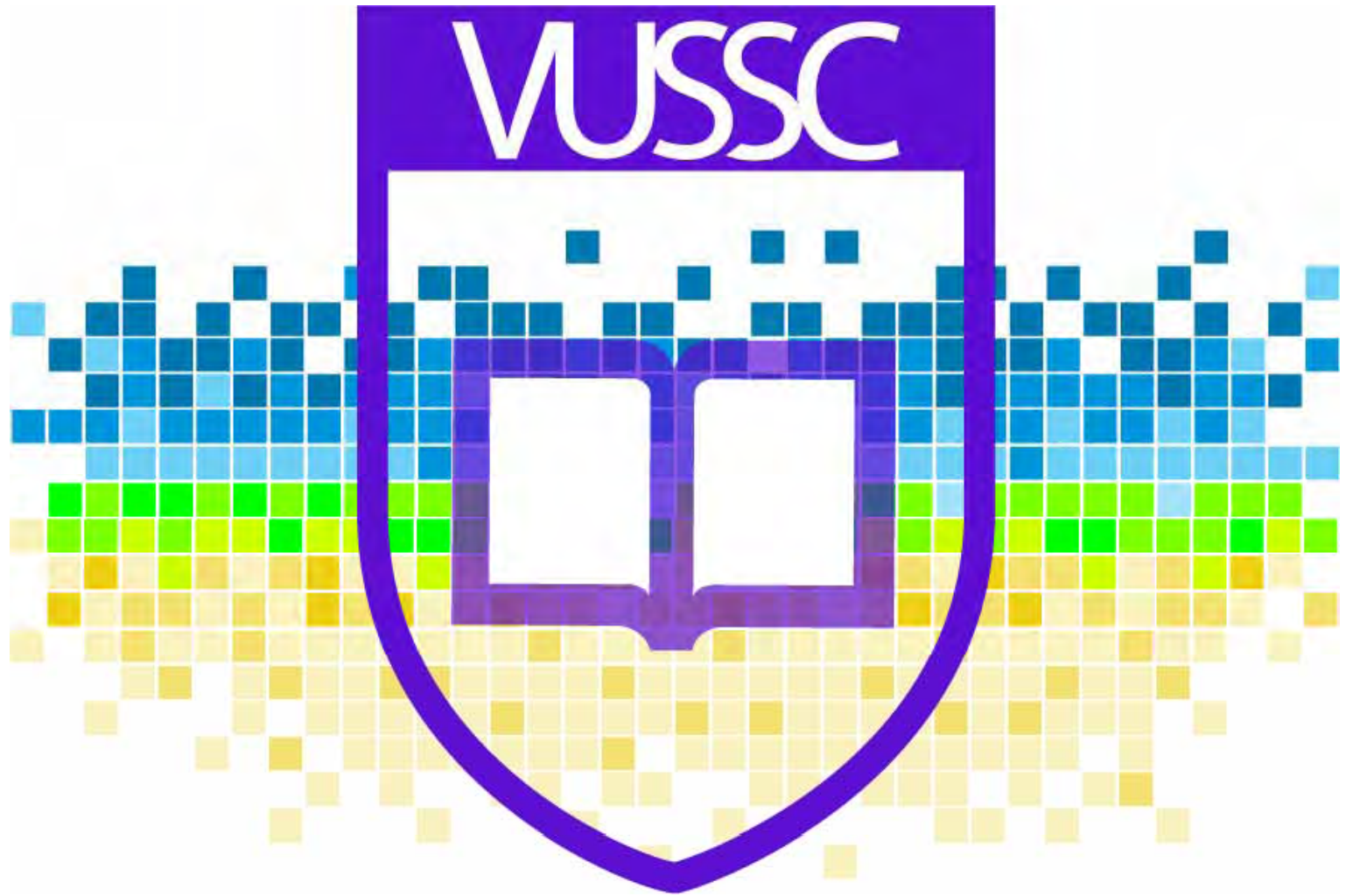
- self-directed learning
- vertical as well as horizontal transfer of knowledge
- demand driven extension process

Mobile phones are one of the options for such a learning process. COL is working with the University of British Columbia on developing systems for using mobile phones for structured and semi-structured learning: Learning through Interactive Voice Educational System (LIVES) initiative.



COMMONWEALTH of LEARNING
learning for development





**The Virtual University for
Small States of the Commonwealth**



The Virtual University for Small States of the Commonwealth

Not a new university but a collaborative network for developing eLearning materials



The Commonwealth of Learning





The Virtual University for Small States of the Commonwealth

Paul West & John Lesperance



The Commonwealth of Learning



Mauritius VUSSC Boot Camp – August 2006



“negotiated collaborative contents”

Schedule of Course Materials Development Workshops: ("Boot camps")

- ★ 2006 - Mauritius: Tourism and Entrepreneurship
- ★ 2007 - Singapore: Professional Development of Educators
- ★ 2007 - Trinidad: Life Skills
- ★ 2007 - Samoa: Disaster Management
- ★ 2008 - Seychelles: Fisheries
- ★ 2008 - Bahamas: Construction
- ★ 2009 - Samoa: Maritime Industry
- ★ 2010 - Maldives: Agriculture and Agro Industry



32 countries



MIT OPEN COURSEWARE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY



The Open University

OpenLearn

Making educational resources freely available

The Virtual University for Small States of the Commonwealth





The Virtual University for Small States of the Commonwealth

Transnational Qualifications Framework



The Commonwealth of Learning

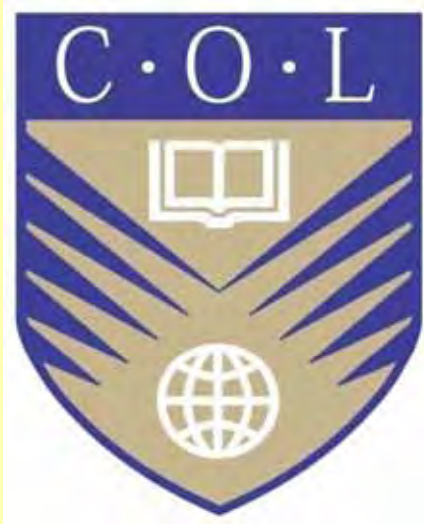


BEWARE



DEGREE MILLS & BOGUS COLLEGES

EASY NOW



Three-Year Plan 2009-12

Commonwealth Educational
Media Centre for Asia
(CEMCA) in New Delhi
(Ramamurthy Sreedher)



Easy now

- ✿ Uses open source and ICT tools to create multiple media educational content.

- ✿ Allows development of cost-effective deliverables

- ✿ Easy to use by teachers



Easy**now** – Applications

▶ Radio Enabled Learning

- ❖ 3 year Under Graduate Course in Humanities on audio lectures of 2400 hrs, that can be compressed into 14 GB in a Flash drive/ any other USB device or MP3 player.
- ❖ Can be broadcast from public service & community radio stations
- ❖ Available on net as streaming video/audio.
- ❖ Easy downloads of text, audio, video and printing.
- ❖ Visually Challenged Friendly.
- ❖ Pilot by CEMCA for adoption by the National Mission on Education through ICT, Govt. of India.

Open Distance Learning Format

The screenshot shows a Windows Internet Explorer browser window displaying the website <http://www.cemca.org/easynow/lesson01.htm>. The page is titled "OUR ENVIRONMENT" and is organized into three main columns: "Exercise", "Lesson", and "Animations".

Exercise Column: Contains a list of links: [Activities](#), [Check Progress](#), and [Answers](#).

Lesson Column: Titled "OUR ENVIRONMENT", it contains a list of lesson topics and sub-topics:

- [Introduction](#)
- [Objectives](#)
- [1.0 The terms 'environment' and 'eco-system'](#)
- [1.1 Components of eco-system](#)
- [1.2 Grouping of organisms](#)
- [1.3 Series of food chains and webs](#)
 - [1.3.1 Trophic levels](#)
 - [1.3.2 Why can't we have a very long food chain?](#)
 - [1.3.3 Length and complexity of food chain](#)
 - [1.3.4 Flow of energy in food chain](#)
- [1.4 Disturbances in food chains or impact of human-made activities on our environment](#)
 - [1.4.1 Process of bio-magnification](#)
 - [1.4.2 Process of desertification](#)
- [1.5 Role of abiotic components](#)
- [1.6 Our role in creating a healthy environment](#)

Introduction: We have already discussed in last module about the natural resources and the flow of energy and environment. We shall now discuss in lesson 1 about our environment in more detail. The earth planet in the solar system supports life and our environment all around us affects our life every moment. This is why it is important to learn and understand in detail about our environment. All of us wish to live in a healthy 'environment' and we need to reflect on what we can do at our end to create a healthy environment. Global summits all over the world are regularly organized to discuss 'environmental' concerns.

Animations Column: Features a large blue box with the "EasyNow" logo and a play button icon. Below the logo, it says "Streaming Media Click on Links". Below this box, there is a list of links: [Classroom](#), [Food Chain](#), [Food Web](#), and [Photo-synthesis](#).

The browser's taskbar at the bottom shows several open applications: Internet Explorer, Gmail, Microsoft PowerPoint, and a file explorer window. The system clock indicates the time is 12:00 PM.

[Next](#)

Audio CD



Lecture on Kabirdas (video)

व्याख्यान
कबीर दास

व्याख्यानकर्ता
एसोसिएट प्रोफेसर डॉक्टर दिनेश कुमार गुप्ता
स्कूल ऑफ ओपन लर्निंग, दिल्ली यूनिवर्सिटी

Braille



Next

EDU-FRAME

A look at general hardware

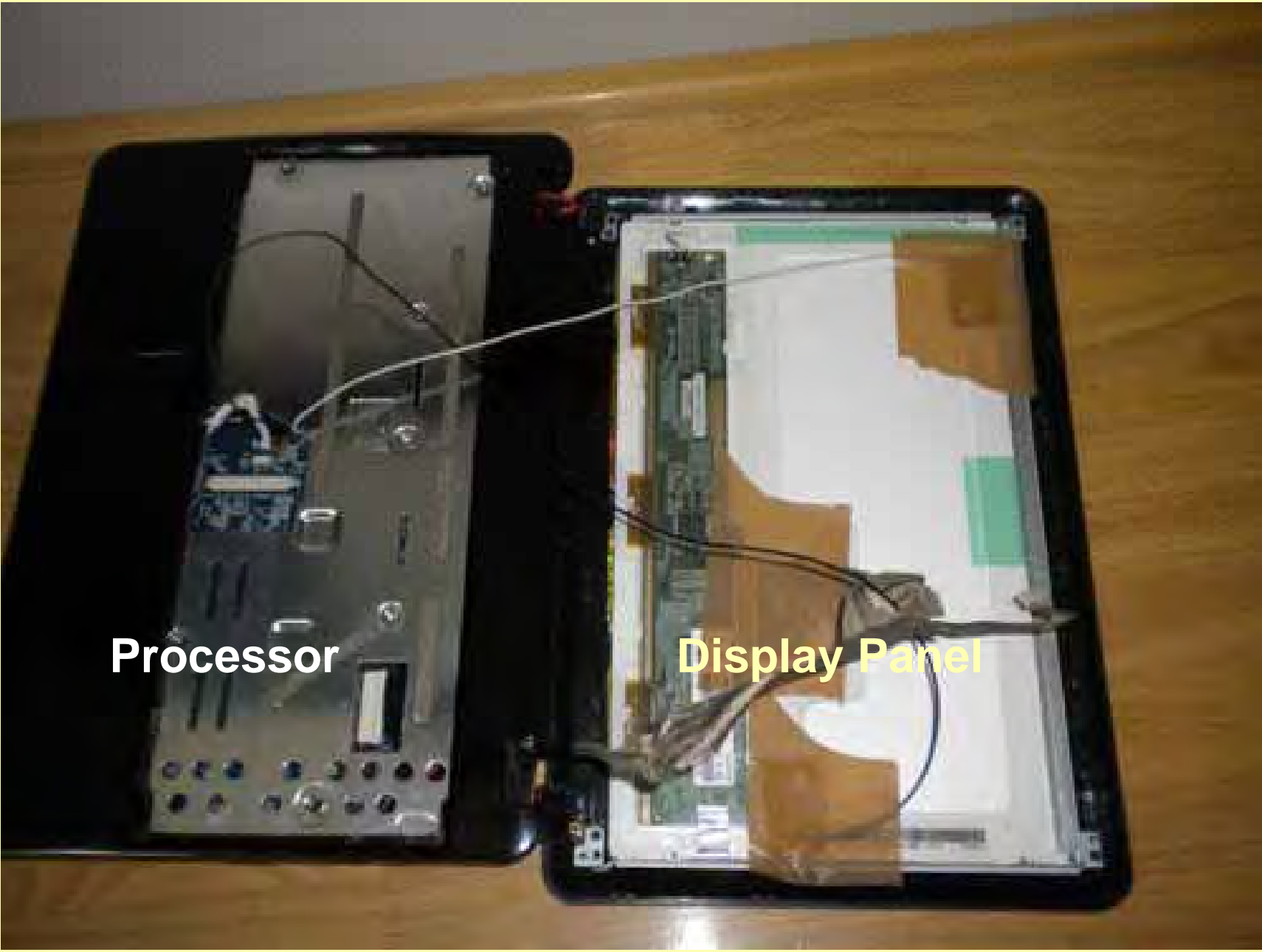


**Major Hardware components are combo Motherboards,
and a Display panel suitably selected**

Motherboards:



Various motherboards and Display panels are studied



Processor

Display Panel



EduFrame: USBs



EduFrame : UBUNTU BOOTING SEQUENCE

Operating systems being tested

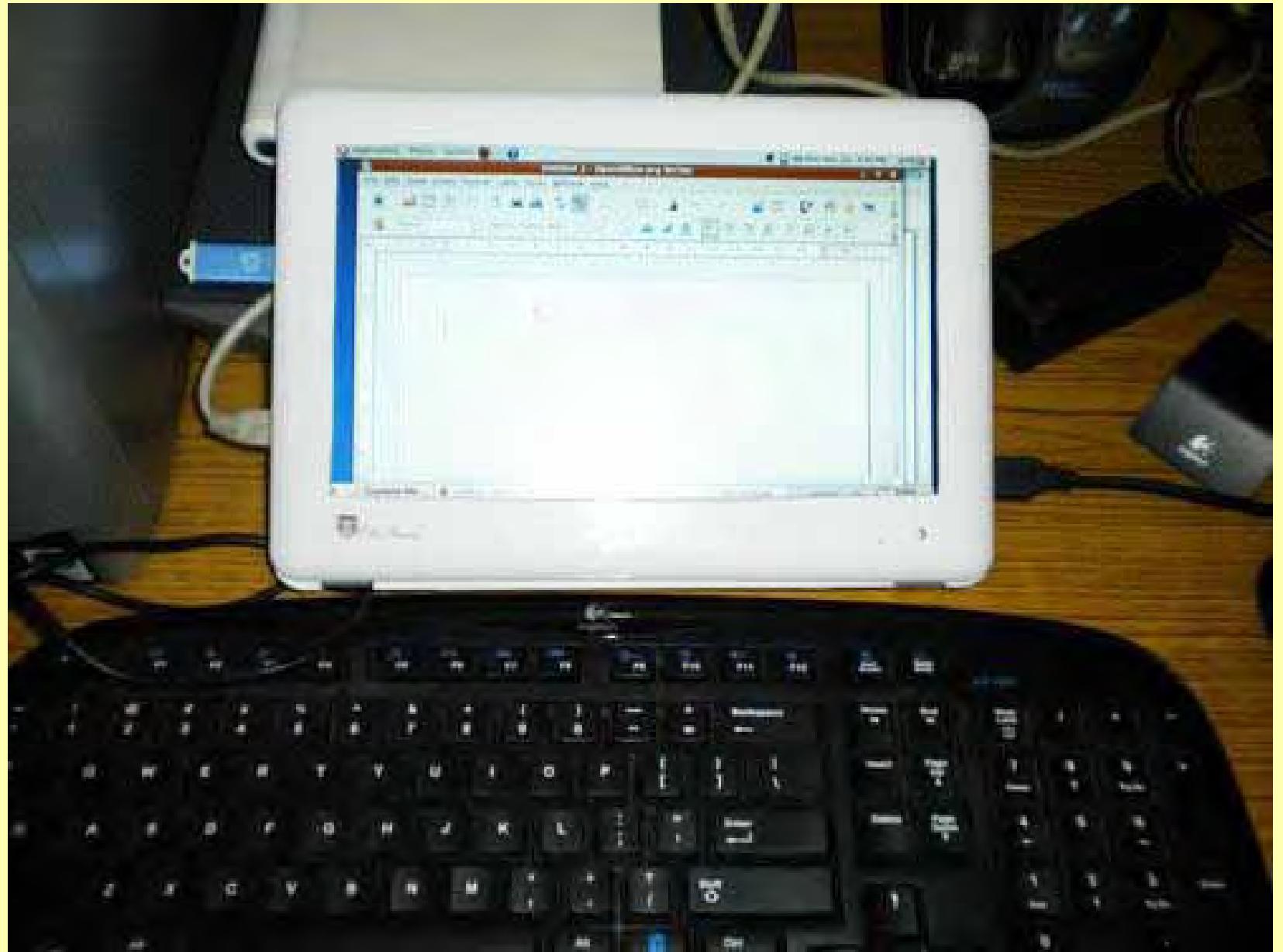


Various light weight Linux flavours (Ubuntu), Moblin, Android etc. being experimented

The EduFrame Design workout



Various Educational Streaming Media deliveries and the suitable hardware/software requirements being tested



EduFrame Document Editing



EduFrame: Streaming Audio

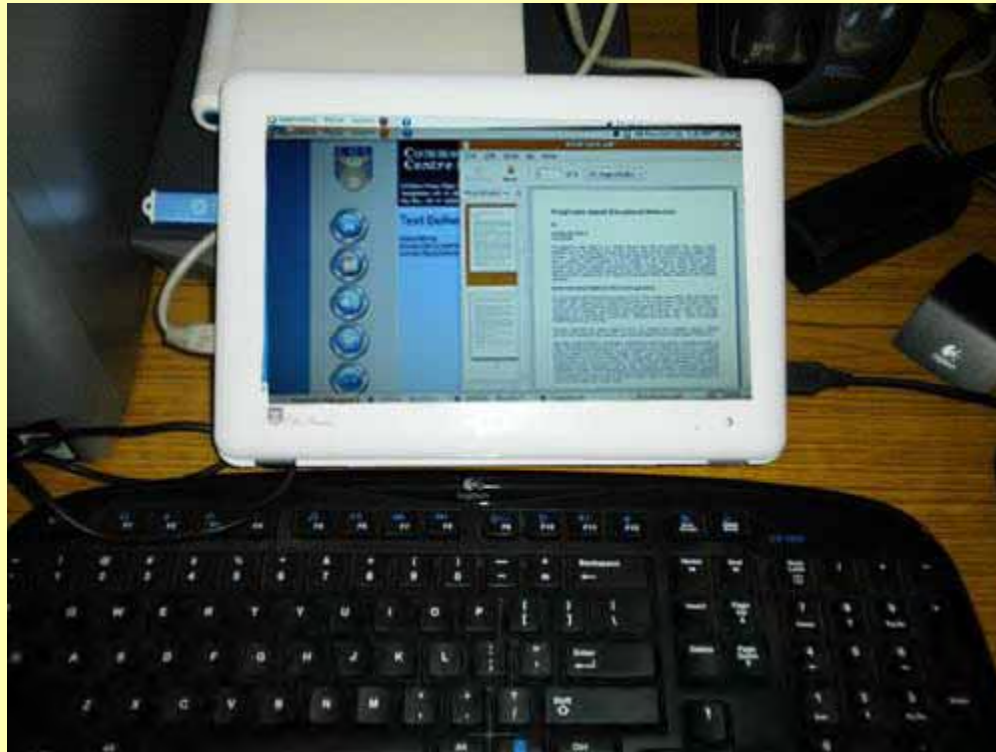
Eduframe – video deliveries



The screenshot displays the EduFrame interface for Commonwealth Educational Media Centre for Asia (CEMCA). The interface is divided into several sections:

- Header:** Features the C.O.L. logo on the left and the text "Commonwealth Educational Media Centre for Asia (CEMCA)" in the center. Below the name, contact information is provided: "8/4 Sarv Priya Vihar, New Delhi - 110016", "Telephone: +91-11-2653 7146, 2653 7148", "Fax No.: +91-11-2653 7147", and "eMail: admin@cemca.org".
- Navigation Panel:** A vertical column of six circular icons on the left side, including a home icon, a PDF icon, a speaker icon, a video camera icon, a blue '3' icon, and an envelope icon.
- Video Deliveries Section:** A central area with a video player showing a man in a suit speaking at a podium. To the right of the video player is a vertical scrollbar and the text "Triangle".
- Footer:** A blue bar at the bottom containing the text "© 2009 Copyright COL - All rights reserved. EduFrame Demonstartion Supports".

Eduframe- Net deliveries



Edu-Frame:

Cost now:

\$75 with parts purchased retail

Intention:

Develop further and make
design freely available for
volume manufacture

Technical specification

- 8.9 inches WXGA TVT – Touch Screen
- X BURST 400 MHZ CPU 32 Bit LINUX Support, Office, media, photo, support
- 256 MB RAM
- 2 GB NAND Flash
- 10/100 MB Ethernet Access 802.11 b/g
- Key Board, Mouse



THANK YOU



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