



CoolOffice Demonstrator

Work Without Boundaries

*Investigator: Husnain Malik
Supervisors: Phillip Steele, Arkady Zaslavsky and Paul Hii*

[Modules]

- Adding Voice Control to Presentation
- Interactive White Board
- Web Fax
- IP Phones & SoftPhones
- Voice Activated Phone Dialing
- Video Conferencing
- Update Network Settings
- Multi-Purpose scanner/fax/printer/copier
- Control Desk
- Wireless Synchronization

[Voice Activated Presentation]

- “Voice Activated conference room” – Hurdle – The system itself functions reasonably well, although sometimes a spoken command is interpreted incorrectly or continuous speech falsely triggers a command.
- Proposed Solution – Addressing the system
 - Active & Inactive States

[Interactive White Board]

- Position Capture System.
- Control your Desktop from whiteboard.
- Save presentation and share them.



[Web-Fax / E-Fax]

- Send faxes from your PC - Broadcast faxes to multiple destinations at the same time.
- Receive Fax in your existing email accounts.
- Fax document Management.

[IP Phones & SoftPhones]

- IP Phones
 - Telephones which provide communication over an IP network.
 - Functions supported are
 - Call Forwarding & transferring
 - Redialling
 - Conference Calling
 - Speed Dialing

[IP Phones & SoftPhones]

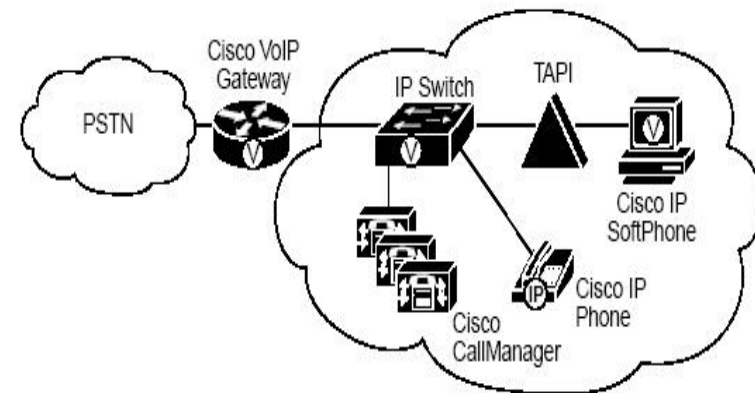
...contd

- SoftPhones
 - SoftPhone is a voice over IP (VoIP) software applications that runs on a PC and makes it a fully functional telephone.
- Demo of Softphones on Monash Network
 - Features supported are conference calling, call redirecting; file and whiteboard sharing and chat.

Probable Solutions (IP Phone)

...contd

- Cisco IP Phone Network Component
 - IP Phones
 - Cisco IP Softphones
 - Cisco Call Manager
 - Integrates PBX functionality with IP Network



[Probable Solutions (IP Phone) ...contd]

- How would it work?



[Vocally Voice Activated Dialing]

- Voice enabled system
- Simply attaches with the phone.
- Enables storage up to 60 names & numbers.



[Video Conferencing]

- Joint Solution By Avaya And PolyCom IP Video Telephony
 - Integrates Avaya IP SoftPhone, an application that works as an office phone on a computer, with the Polycom ViaVideo camera and microphone, resulting in a unified communication solution incorporating voice, video & instant messaging. (Nov. 1st, 2004)

[Update Network Settings]

- The need to connect the computer to different networks is growing as more and more new possibilities of mobile working emerge.
- Solutions:
 - Plug & Browse
 - Multi-Network Manager 7.0
 - Select-A-Net 4.1

Multi-Purpose Scanner/Printer/Fax/Copier

- Solutions available for multipurpose scanner/printer/fax and copier

Xerox WorkCentre Pro 555 8PPM Laser Fax - Printer - Copier - Scanner w/ 14.4 kbps Modem



HP Officejet 4215
Printer/Scanner/Fax/Copier



[Wireless Synchronization]

- Synchronization between Laptop/Desktop and Pocket PC.
- Contacts, Emails, Schedule can be synchronized.

[Control Screen]

- A control desk can be provided which manages all the working of room's electronic gadgets such as the projector, lights, and sound system e.t.c.

[Conclusion]

- “In a nutshell, we are focusing on making services more and more *ubiquitous, radically simpler and personalized to the users*” .. Joy King (Director, World Wide Marketing, HP)

References

- [1] – “Cisco IP Softphone Administrator Guide” Version 1.3, Cisco Press Corporate Headquarters Cisco Systems, Inc.
- [2] – “utbox.net Services” By Unified telecom
www.utbox.net/services.html
- [3] – “New Mimio Software from Virtual Ink Exports Whiteboard Data to QuickTime and iMovie Multimedia Applications” , January 2001.
http://www.mimio.com/cgi-bin/mimio_pressreleases.cgi
- [4] – “Faxes, VoiceEmails & Conference calls” By J2 Global Communications
www.jconnect.com
- [5] – “Ozefax Services” By OzeFax
<http://www.ozefax.com.au/>
- [6] – “Video Conferencing Products” By PolyCom
http://www.polycom.com/products_services/0,1443,pw-35,00.html
- [7] – “Plug And Browse” By Interactive Studios
<http://www.interactive-studios.net/products/plugbrowse.htm>
- [8] – “Voice Activated Phone Dialer” By Solutions For Humans
<http://www.sforh.com/speech/vocally-phone.html>
- [9] – “Cisco IP SoftPhone 1.3”,Data Sheet, Cisco Press Corporate Headquarters Cisco Systems, Inc.
- [10] – “Cisco IP Communicator Administrator Guide”, Version 1.1, Cisco Press Corporate Headquarters Cisco Systems, Inc.
- [11] – “Avaya IP Video Telephony Solution Makes Desktop Videoconferencing as Simple as a Phone Call”, BASKING RIDGE, N.J. – Nov. 1, 2004 – Avaya Inc.
- [12] – “Cisco IP Phones Administration Guide For Cisco Call Manager 3.0 And 3.1, Cisco IP Phones 7960, 7940 and 7910” Copyright © 2000-2001, Cisco Press Corporate Headquarters Cisco Systems, Inc.
- [13] – “Cisco Xerox Work-Centre Pro 555 8PPM Laser Fax, Printer, Copier & Scanner”
http://www.buymebuyme.com/retail/catalog/product_44053_Xerox_WorkCentre_Pro_555.html
- [14] – “HP Office-jet 4215 All-in-One Printer/Scanner/Fax/Copier” By Hewlett-Packard.

[Questions

]

?