Digital Videoconferencing in Deaf and Hard-of-Hearing Instructional Environments

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> 2003 Instructional Technology and Education of the Deaf Symposium

RIT Campus

- 1300 acres
- Over 30 buildings
- Students reside both on and off campus
- There is a need for technology to facilitate remote communication between students and faculty



Remote Access

- Needed for:
 - General student/faculty communication
 - One-on-one tutoring
 - Faculty "office hours"
- Traditional telephone communication not possible for many deaf and hard-of-hearing students



Options for remote access

- TTY
- Pager
- Internet-based technologies
 - E-Mail
 - Instant Messaging (IM)
 - Desktop Videoconferencing



TTY

- A TTY is a special device used by deaf and hard-of-hearing individuals
- Uses regular phone connections
- Callers type messages back and forth in realtime

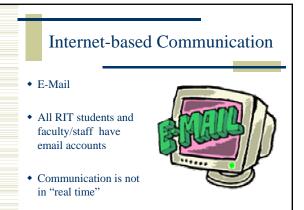


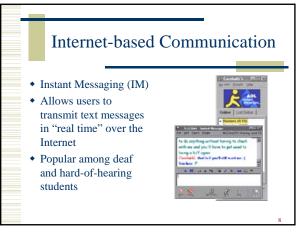


Pager

- Provides wireless text communication
- Popular among deaf and hard-of-hearing students
- Requires contract with a service provider











Communication course

Internet

Microsoft NetMeeting • Free real-time collaboration and conferencing software 3 for the PC m Requires a camera to send video



NetMeeting's Collaboration Tools

- J Point-to-point video & audio
- ◆ Chat (text)
- File Transfer
- Frogram (application) sharing

Web Resources

- Chinese
- English
- http://61.236.136.58/netmeeting/ nmsm00.htm
- http://www.webeye.com.cn/tech/ readme-nm3.htm
- http://fx.northtimes.com/netmeet ing/netmeeting01.htm
- http://www.microsoft.com/wind ows/NetMeeting/default.ASP
 - http://www.meetingbywire.com/

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