Abstract

The advent of powerful hardware and advances in high-speed networks enabled synchronous learning, with teachers and students being geographically distributed but connected via internet. Compared to traditional distance learning, this allows a higher degree of interactivity and collaboration. We have created a tele-teaching environment, called e-board, which will provide facilities equipped with computers and audio devices enabling students to take online training anywhere in the world. Through this e-board software teacher and students who can be
Secure Data Transmission at Low Cost using the E-board Software for the Virtual Class Room

anywhere in the world can still be inside a virtual classroom. The concept is same as that of a real class room the teacher will login to his/her e-board software and invite students to attend the class. Consequently the students get the invitation and a soft phone starts ringing. The students who are interested to attend that particular class will accept the call by pressing a call-accept button. As the teacher begins teaching, a white board will automatically open at the terminal of the teacher as well as at the terminal of the every student.

Reference
- “An Analysis of Skype Peer to Peer Internet Telephony” by Salman A. Baset and Henning Schulrinne (Skype v0.97).

Index Terms
Computer Science  Security
Key words

Bandwidth
Low cost

Virtual Classroom
E-board