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
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.

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Index Terms

Computer Science

Security
Secure Data Transmission at Low Cost using the E-board Software for the Virtual Class Room

Key words

Virtual Classroom
E-board

Bandwidth
Low cost