

ABSTRACT

Video conference or video conference is a technology that allows a group of people doing the meetings without having to meet physically. Their use in education has not been thorough, so the current could not be optioned in the activities pf the submission materials. Hawever, the application of such technology can be done on a small scale such as conferences in two different rooms by utilizing multicast routing techniques that use the Protocol Independent Multicast – Sparse Mode (PIM-SM) to be able to focus my delivery to members who have joined the group through a router and not route directly overlooks the members on its network so it can keeping the quality of data that was transfered and suppress delay during the conference took place. Meanwhile in the implementation was TrueConf a famous video conference application that is flexible and able to adjust quality of delivery based on various circumstances when the conference takes place.

Key Words : Video Conference, Trueconf, Multicast, PIM-SM