ABSTRACT

Computer networks are designed to connect computers on different locations so that they can share data and communicate. In the olden times, mostly the data which is carried on networks was in the form of texts. Today, with the rise of multimedia and network technologies, multimedia has become an essential feature on the Internet. Animation, audio and video clips become more and more popular on the Internet. Multimedia networking products like Internet voice call, Internet tv, video conferencing is on great demand now. The Internet Protocol (IP)is the network layer communications protocol in the Internet protocol suite for relaying datagrams across network boundaries. Its routing function enables internetworking, and essentially establishes the Internet. There are many ways to transmit multimedia data, like dedicated links, cables etc. However, the idea of transmitting multimedia over Internet is extremely attractive.

The purpose of this project is to transmit the multimedia over the internet protocol by several means like multicasting so that users may have included records and multimedia provider over one single network, without investing on any other network hardware and constructing the interface among two networks. In this project we are implementing multimedia applications like live video conferencing and video multicasting over IP (Internet Protocol) using multicasting.

KEY WORDS: Multimedia, transmit, Internet Protocol, multicasting.