Abstract

During the last few decades there was growth in communication networking. Computer and communication networks enable all the users of the network to transfer files through the network which may contain sensitive information. Therefore we need network security which became amative problem .

This thesis deals with design of security system that provides privacy and secrecy for exchanging and storing sensitive information through communication network. A new algorithm (A) was developed and tested.

The proposed system use symmetric cryptography techniques for securing file and use asymmetric cryptography techniques for key distribution and provide a good authentication .

The user interface implement by Delphi language to provide interactive user interface .