Abstract

Voice calls is a popular way of communication between persons. Making voice call is cheap, fast and simple. Because of mobile networks attack or smartphones hackers, telephone conversations are vulnerable. This paper presents an encryption scheme for Voice Calls. It helps the user to encrypt the voice call before transmitting it on the mobile network. The idea of the proposed system is to encrypt voice calls without using any secure servers or any intermediate systems between mobile phone and the GSM network. The encryption process occurs before reaching to mobile phone. To maintain intensive security, an encryption algorithm based on RSA encryption is used. Moreover, it uses a public key known by all users and a private key which is a secret and restricted key to each user.


Index Terms

Computer Science  Signal Processing

Keywords

Cryptography, RSA Encryption, Mobile System, Voice Call.