**SECURE DATA TRANSMISSION USING STEGANOGRAPHY**

**Abstract**

Steganography has a widely accepted and fascinating concept. The proliferation of computers and communications systems in the recent years has brought with it a demand from the private sector for means to protect information in digital form and to provide security services. Cryptography also ensures privacy, confidentiality, data integrity, entity authentication or identification, message authentication, signature, validation, access control, certification endorsement, time-stamping, ownership, etc. Cryptography has two divisions Encryption and Decryption. In simple terms, Encryption is the science of changing data so that it is unrecognizable to an unauthorized person. Decryption is changing it back to its original form. Steganography is yet another concept of securing information in images, audio or video files, thereby ensuring that no intruder gets to know about the information hidden in it. More commonly Steganography is used to supplement encryption. Like Cryptography, Steganography also finds its importance in Maintaining anonymity, Copyright protection, etc. We in this project try to implement this technique “Cryptography and Steganography” with a user friendly interface, in a highly secure manner using different schemes. The privacy details of sender and reciever sides are securely maintained.

Technology used: Java

**Project member: Internal Guide:**

R.Balamurali-2018102027 (SEC-A) Mr.I.Noormohamed B.E,M.Tech

S.Dinesh-2018102046 (SEC-A)

K.Hariharan-2018102054 (SEC-A)