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Visual Cryptography for Color Image using Digital-Watermarking

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Abstract: *The aim this project is to build secure system for transferring images over the internet. Now internet is the fastest growing way of communication. Data exchange over the internet is increasing day by day, so It is important to secure the transmitted in this medium. Visual cryptography technique can be used to improve the security and privacy of the image by embedding watermark. In visual cryptography encryption of image is done by dividing the image into n number of shares and decryption process is done by combining a certain number of shares or more. Simple visual cryptography is not secure because of the decryption process done by visual system. The information or the image can be retrieved by anyone if the person gets at least some number of shares. Secret images can be reconstructed without any complex computation. In this project we use digital watermarking. Digital watermarking is a technique for inserting secret information into an image. Which enable us to know the source or owner of the copyright*

Keywords: Digital Watermarking, Secret Sharing, Encryption, Decryption, Data Security, Image Reconstruction