**MAJOR PROJECT REPORT**

***Secure Data Transmission***

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**ABSTRACT**

There is a quick development of various multimedia technologies, and more and more multimedia data is getting generated and transmitted. Also the internet allows wide distribution of digital media data. Digital documents are easy to distribute, therefore it will be faced by many threats. Therefore, it becomes necessary to find appropriate protection as the data may include some sensitive information which should not be accessed by or can only be partially exposed to the general users. So, in the recent world, security is of prime important issue, and encryption is one of the best alternative ways to ensure security. Moreover, many image encryption schemes have been proposed, each one of them has its own strength and weaknesses.

The growing possibilities of modern communication need the special means of security especially on computer network. The network security is becoming more important as the amount of data being exchanged on the internet is increasing. Due to advances in technology, most of the information is kept electronically. Consequently, the security of information has become a fundamental issue.

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