ABSTRACT

The title of our project is “ENCRYPTION SYSTEM”. This project encrypts and decrypts the files by using Advanced Encryption Standard (AES) algorithm. Our aim is to develop the software named ENCRYPTION SYSTEM that encrypts and decrypts the files by using Advanced Encryption Standard (AES) algorithm. Encryption and Decryption is strong file encryption software for personal and professional security. It protects privacy of our documents and sensitive files by encrypting them using Advanced Encryption Standard (AES) algorithm to provide high protection against unauthorized data access.

In today’s world the networking plays a very important role in our life. Most of the activities occur through the network. For the safe and secured exchange of information, we need to have security. The encryption has very wide applications for securing data.Encryption refers to set of algorithms, which are used to convert the documents and any files to code or the unreadable form of files, and provides privacy. To decrypt the file to receiver uses the “key” for the encrypted files.

This project work helps you to understand what cryptography is all about and the procedures used to achieve this aim, it explains the design and implementation of computer security: data encryption and decryption and AES algorithm. The programming language used in the development of this project is python.**Python** is a general-purpose interpreted, interactive, object-oriented, and high-level programming language. It was created by Guido van Rossum during 1985- 1990. Like Perl, Python source code is also available under the GNU General Public License (GPL). This **tutorial** gives enough understanding on **Python programming** language.

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