**A**

Project Report on

FILE RAKSHAK

Submitted for partial fulfillment for award of

**Bachelor of Technology**

Degree in

**Computer Science & Engineering**

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**Certificate**

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**ABSTRACT**

This project is aimed at developing a desktop-based and Protects file and folder from system. Some features of this application are password-protect, hide, or restrict access to folders, files, and programs by using cryptography and steganography. It can also restrict access to the Control Panel commands, prevent downloading of programs from the Internet, control user access to the external drives, and more

This project ‘*File Rakshak’* is a desktop based application.

**File Rakshak** is a powerful computer security program that you can use to control access to files, folders, and other Windows resources. You can use File Rakshak to [lock your personal files and folders with passwords](http://www.winability.com/folder-guard-lock-with-password/), to stop other users from peeking into your records. You can even completely [hide your private folders](http://www.winability.com/folder-guard-hide-folder/) from virtually all applications, and such folders would remain invisible until you enter a valid password. You can also protect sensitive system files from modification or destruction, disable access to the removable drives, [restrict access to Control Panel](http://www.winability.com/folder-guard-restrict-control-panel/), and more.

Main Module in this project:

1. Authentication

2. File Lock

3. Encryption & Decryption

4. Steganography

Brief description on the modules:

**1. Authentication:** Authenticate user has the full authority over the Application. You can protect virtually any "real" folder with a password, allowing only the authorized users to open the protected folder. You can protect an unlimited number of folders, each with its own password

**2. Encryption & Decryption:** Encryption in software provides advanced data encryption and file encryption for desktops, laptops, and removable storage devices. It offers scalable, enterprise-wide security that prevents unauthorized access by using strong access control and powerful encryption. Symantec Endpoint Encryption provides a central management console, enabling safe, central deployment and management of encryption to endpoints.

**3. Steganography**: Steganography is a means of obscuring data where secret messages are hidden inside computer files such as images, sound files, videos and even executable files so that, no one except the sender and the receiver will suspect the existence of stealth information in it. Steganography may also involve the usage of **cryptography** where the message is first encrypted before it is concealed in another file. Generally, the messages appear to be something else such as an image, sound or video so that the transfer of secret data remains unsuspected.

**4. File lock:**  With the help of File lock we can lock or unlock any file.

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