# **File Security System using OTP**

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1. Introduction

In present day, the increasing reliance on computer systems has led to the dependence on confidential security measures. Single Sign On and Password. Password has become one of the most ubiquitous.Modern day security tool and is very commonly used for authentication. These passwords are used for authentication or user access. Access control systems require OTP. we can use a combination of two or more security processes. Two-factor authentication has ameliorated security in authentication systems. Sensitive files can be provided double protection using OTP.

Security of the computer file and folders have been a core issue ever since the advent of the windows . Passwords were then introduced to solve this issue Also we shall propose a Two Factor Authentication [T-FA] system utilizing OTP as a factor coupled with the powerful Encryption Algorithm. OTP is the most commonly used technology

Features:

1. File can be viewed and browsed
2. File can be secured
3. Two factor authentication is used
4. Hacker cannot hack easily
5. Sign up is required to secure the files

Software requirements:

1. OS: Windows 7
2. Java JDK 1.4

Hardware requirements:

1. RAM: 512 MB
2. Hard disk: Min. 20 GB HDD.
3. CPU speed: 1.4 GHz

Advantages:

1. Security level is high
2. Hacker can’t hack easily
3. Two factor authentication is used

Disadvantages:

1. Internet connection is required.
2. Without OTP and sign up user cannot secure and access the files.