VORTEX SECURITY SYSTEM

Third Year Information Technology

by

Dayashankar Das

Harshvardhan Dubey

Robinsali Maredia

Sanat Mistry

Under the supervision of

Prof. Nina N.

September 2017

SHREE L. R. TIWARI COLLEGE OF ENGINEERING, MIRA ROAD

(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai)

DEPARTMENT OF INFORMATION TECHNOLOGY

2017-18

A Project Report

on

VORTEX SECURTY SYSTEM

Submitted in fulfillment of the requirements for the course in

Business Communication and Ethics

THIRD YEAR ENGINEERING

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CERTIFICATE

This is to certify that the project titled *'Vortex Security System'* has been completed under our supervision and guidance by the following students:

Dayashankar Das

Harshvardhan Dubey

Robinsali Maredia

Sanat Mistry

In fulfillment of the requirements for the course in ***Business Communication and Ethics,*** Third Year in Information Technology, as prescribed by the University of Mumbai during the Academic Year 2017-2018. The said work has been assessed and is found to be satisfactory.

Signature of HOD

Name:_____

Date:_____

Signature of Project Supervisor

Name: _____

Date:_____

Dr. S. Ram Reddy

Principal

ACKNOWLEDGMENT

It is with the greatest pleasure and pride that we present this report. First of all, we would like to place ourselves at the feet of God Almighty for his everlasting love and for the blessings & courage that he gave us, which made it possible to me to see through the turbulence and to set me in the right path. We would like to express our gratitude to our beloved Principal, Dr. S. Ram Reddy who gave us the opportunity to study and enhance ourselves in this field. We want to thank our H.O.D., Prof. Deepali A. Patil who has been instrumental in the successful completion of this project. We would also like to extend our heartfelt thanks to our Project Guide, Prof. Nina N. We are highly grateful for her guidance, help and constructive criticism which always made us aim for perfection. We take this opportunity as a proud privilege to express our deep sense of gratitude to our Technical Project Guide, Prof. Saurabh Suman. We thank our friends who were ready with a positive comment all the time, whether it was an off-hand comment to encourage us ora constructive piece of criticism.

Dayashankar Das

Harshvardhan Dubey

Robinsali Maredia

Sanat Mistry

ABSTRACT

Reliable user authentication is becoming an increasingly important task in the Web-enabled world. The consequences of an insecure authentication system in a corporate or enterprise environment may include loss of confidential information, denial of service, and compromised data integrity. For example, most people nowadays purchase the goods on the Internet. No additional user authentication is usually required. This lack of authentication might result in cases of fraud. The prevailing techniques of user authentication, which involve the use of either passwords and user IDs, or identification cards and PINs , suffer from several limitations. Once an intruder acquires the user ID and the password, the intruder has total access to the user's resources. Fortunately, automated biometrics in general, and Facial recognition, Fingerprint Technology, Id Tracking, Iris Scanner in particular, can provide a much more accurate and reliable user authentication method. These biometrics are almost impossible and difficult to duplicate providing a lot more security. Once a set of biometric data has been compromised, it is compromised forever. Since the biometric technology has rapidly evolved, it's also time for us to cope up with the advanced technologies of 21st century and update the advantages of biometric systems.

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