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# ABSTRACT

The Cryptography is basically securing the data during the communication between different system. “Biometric”, is used for authentication. To work with the biometrics authentication that is used to collect some raw biometric data (e.g., image) and then that data compares with the data (image) stored in the database for providing access. The attackers may use these opportunities to attack the data within the database. Therefore, the security of biometrics is of high importance. In this idea, a private image is bifurcated into two host face images such that it can be revealed only when both host images are simultaneously available; at the same time, the individual host images do not reveal the identity of the original image. In order to accomplish this, we use Visual Cryptography. Visual Cryptography is a process of creating shares from an image so that it would become unreadable for intruder or unauthenticated person. There are various dimensions on which Visual Cryptography Scheme performance relay, i.e., accuracy, brightness, pixel widening, security, computer complexity, productive sharing is logical or pointless, type of secret image. This technique encrypts a secret image into shares such that stacking a sufficient number of shares reveals the secret image. This process encrypts a private image into stocks so that it can collect a sufficient number of shares produces a private image. This project uses VC of colored images in a biometric application.

***Keywords****: Visual Cryptography, Visual Cryptography scheme, Private image, Biometrics.*

**TABLE OF CONTENTS**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | ***Page no. s*** |
| ***Acknowledgement***  ***Abstract***  ***Table of contents***  ***List of figures***  ***List of tables***  ***Abbreviation*** | | | ***i*** |
| ***ii*** |
| ***iii*** |
| ***v*** |
| ***vi*** |
| ***vii*** |
|  |  |  |  |
| *Chapter* | *No.* | *Titles* | *Page no. s* |
| ***Chapter*** | ***1*** | **INTRODUCTION** | **1-14** |
|  | ***1.1*** | Biometrics | **1** |
|  | ***1.2*** | Applications of Biometric systems | **3** |
|  | ***1.3*** | Challenges in biometrics | **3** |
|  | ***1.4*** | Cryptographic techniques | **4** |
|  | ***1.5*** | Visual Cryptography | **5** |
|  | ***1.6*** | Halftoning process | **11** |
|  | ***1.7*** | Blowfish algorithm | **12** |
|  | ***1.8*** | Multiple image Visual Cryptography | **12** |
|  | ***1.9*** | Color Visual Cryptography | **13** |
|  | ***1.10*** | Balanced Block Replacement | **13** |
|  | ***1.11*** | Face Recognition | **14** |
|  |  |  |  |
| ***Chapter*** | ***2*** | **LITERATURE SURVEY** | **15-20** |
|  | ***2.1*** | Literature review | **15** |
|  | ***2.2*** | Motivation | **19** |
|  | ***2.3*** | Scope of the project | **19** |
|  | ***2.4*** | Existing system | **19** |
|  | ***2.5*** | Problem statement | **20** |
|  |  |  |  |
| ***Chapter*** | ***3*** | **DESIGN AND IMPLEMENTATION** | **21-30** |
|  | ***3.1*** | Introduction | **21** |
|  | ***3.2*** | Methodology | **21** |
|  | ***3.3*** | Implementation | **25** |
|  |  |  |  |
| ***Chapter*** | ***4*** | ALGORITHMS USED IN PROJECT DESIGN | **31-33** |
|  | ***4.1*** | Algorithm for Shares Generation | **31** |
|  | ***4.2*** | Floyd Steinberg Dithering Algorithm | **31** |
|  | ***4.2*** | RANSAC algorithm | **32** |
|  | ***4.3*** | XOR – based VCS | **32** |
|  |  |  |  |
| ***Chapter*** | ***5*** | RESULTS AND DISCUSSION | **34-42** |
|  | ***5.1*** | Snapshots of the project website | **34** |
|  | ***5.2*** | Results | **36** |
|  | ***5.3*** | Comparison | **41** |
|  |  |  |  |
| ***Chapter*** | ***6*** | CONCLUSION | **43** |
|  | ***6.1*** | Future scope | **43** |
|  |  |  |  |
| REFERENCES | | | **44-46** |
|  | | |  |

# LIST OF FIGURES

|  |  |  |  |
| --- | --- | --- | --- |
| ***Fig.*** | ***No.*** | ***Titles*** | ***Page no. s*** |
| Fig. | 1.1 | Biometric Component | 2 |
| Fig. | 1.2 | Possible attack points in generic biometric | 2 |
| Fig. | 1.3 | Commonly used traits for biometric authentication | 4 |
| Fig. | 1.4 | Encryption & decryption in VC | 6 |
| Fig. | 1.5 | Pixel share illustration | 6 |
| Fig. | 1.6 | VC Techniques | 9 |
| Fig. | 1.7 | Taxonomy of Visual Cryptography | 9 |
| Fig. | 1.8 | Blowfish Algorithm | 12 |
| Fig. | 1.9 | Additive Mode and Subtractive Model | 13 |
| Fig. | 1.10 | Face Recognition | 14 |
| Fig. | 3.1 | Data Flow diagram for the Proposed System | 22 |
| Fig. | 3.2 | Steps involved in generating 2 random shares | 23 |
| Fig. | 3.3 | Encryption rules | 24 |
| Fig. | 3.4 | Encryption Method | 24 |
| Fig. | 3.5 | Decryption Method | 25 |
| Fig. | 3.6 | Full-Stack Development | 26 |
| Fig. | 3.7 | Sample of 68 datapoints on the user’s face | 28 |
| Fig. | 5.1 | Login Page | 34 |
| Fig. | 5.2 | Admin Details | 34 |
| Fig. | 5.3 | Image addition, editing and deletion page | 35 |
| Fig. | 5.4 | Database (Back-End) | 35 |
| Fig. | 5.5 | Sieving of the images | 36 |
| Fig. | 5.6 | Image Division | 37 |
| Fig. | 5.7 | Image Shuffling | 37 |
| Fig. | 5.8 | Image Encryption | 38 |
| Fig. | 5.9 | Adding Images for Decryption | 39 |
| Fig. | 5.10 | Decrypted Image | 39 |
| Fig. | 5.11 | Login Page of the Face Matching Page | 40 |
| Fig. | 5.12 | Face Matching | 40 |

**LIST OF TABLES**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Table*** | ***No.*** | ***Titles*** | ***Page no. s*** |
| Table | 5.1 | VCS COMPARISON - 1 | 41 |
| Table | 5.2 | VCS COMPARISON – 2 | 41 |
| Table | 5.3 | VCS COMPARISON - 3 | 42 |

**ABBREVIATIONS**

|  |  |  |
| --- | --- | --- |
| VC | : | Visual Cryptography |
| EVC | : | Extended Visual Cryptography |
| VCS | : | Visual Cryptography Scheme |
| EVCS | : | Extended Visual Cryptography Scheme |
| HVS | : | Human Visual System |
| HVC | : | Halftoning Visual Cryptography |
| DES | : | Data Encryption Standard |
| RGB | : | Red, Green, Blue |
| PSNR | : | Peak Signal to Noise Ratio |
| MSE | : | Mean Square Error |
| CSS | : | Cascading Style Sheets |
| HTML | : | Hypertext Markup Language |
| SQL | : | Structured Query Language |