Abstract

Internet is one of the most popular communication channels but it is insecure. Since it is an open and insecure medium, malicious medium can intercept the program or data. In the present scenario, fast growth in online application results in data security problem. In order to get secure internet, users need secure communication method for sending secret messages and data through internet. In this paper, we have developed an efficient way to provide a secure internet using Iris Recognition and Cryptography. The Iris Recognition system consists of an automatic segmentation that is based on Hough Transform. The Hamming Distance is employed for classification of Iris template. Thus this paper can be implemented in any real time application.
An Efficient Implementation of Iris Recognition and Cryptography in Internet Security System

- W. K. KONG, D. ZHANG "Accurate Iris segmentation based on novel reflection and eyelash detection model" proceeding of 2001 International Symposium on Intelligent multimedia, video and speech processing May 2-4 2001 Hong Kong
- Anni U. Gupta, Prof. Dr. Alice N. Cheeran, Mangesh D. Nikose "IMAGE RESTORATION USING WAVELET BASED IMAGE FUSION" International Journal of Engineering Science and Technology (IJEST) ISSN: 0975-5462 vol. 3 no. 2 2 Feb 2011.
- V. B. Gopala Krishna and S. Chandra Sekhar, M. Venkateswarlu "RFID card with iris recognition for high security access environment" International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622
- Y. V. Subba Rao, Yulia Sukonkina, Chakravarthy Bhagwati, Umesh Kumar Singh "Fingerprint based authentication application using visual cryptography methods (Improved ID card)" Tencon 2008, IEEE Region 10th conference 2008
- Centre for Biometrics and Security Research page http://www.cbsr.ia.ac.cn/english/IrisDatabase.asp.
- Haibo Zhang, Xiaofei Wang, Wanhua Cao, Youpeng Huang "Visual cryptography for general access structure by multi-pixel encoding with variable block size" In

2 / 4
An Efficient Implementation of Iris Recognition and Cryptography in Internet Security System

- Lin Kezheng,Fan Bo, Zhao Hong, "visual cryptographic scheme with high image quality". In proceedings of the International conference on Computational Intelligence and Security, 366-370,IEEE ,2008

Index Terms

Computer Science
Pattern Recognition

Keywords
Biometric Authentication internet Security Iris Cryptography Segmentation Hamming Distance