Abstract

Handwritten signatures are widely accepted as a means of document authentication, authorization and personal verification. In modern society where fraud is rampant, there is the need for an automatic Handwritten Signature Verification (HSV) system to complement visual verification. An implementation is a realization of a technical specification or algorithm as a program, software component, or other computer system through programming and deployment. Many approaches are possible to the implementation of a signature verification system [1, 2]. This paper highlights the key performance considerations when planning the implementation of a signature verification system.

References

- Plamondon, R. and Lorette, G.: Automatic signature verification and writer identification: the state of the art, Pattern Recognition, 22, 1 07- 13 1, 1989
Performance Considerations in Implementing Offline Signature Verification System

- Stephane Armand, Michael Blumenstein and Vallipuram Muthukumarasamy: Off-line Signature Verification Based on the Modified Direction Feature. The 18th International Conference on Pattern Recognition (ICPR,2006), 2006.
Performance Considerations in Implementing Offline Signature Verification System

976-988.
- Miguel A. Ferrer, Jesu’s, B. Alonso, and Carlos M. Travieso, "Offline Geometric Parameters for Automatic Signature Verification Using Fixed-Point Arithmetic", IEEE transactions on pattern analysis and machine intelligence, vol. 27, no. 6, June 2005

Index Terms

Computer Science Security

Keywords
Handwritten Signature Verification (hsv) Feature Extraction False Rejection Rate (frr)