Abstract

This paper suggests the multimodal biometrics system for identity verification using two traits: face and fingerprint. The proposed system is intended to use for the training database includes a face and four fingerprint images for each individual. The final decision is made by first individual score of face and fingerprint compares with enrolled templates and then makes fusion at matching score level architecture. The enrolled templates are stored in database. Each subsystem computes its own matching score by using closeness of feature vector and template. The decision module decides the final score by combining individual score of each trait. Multimodal system is developed through fusion of face and fingerprint recognition. The result is significantly improved by using multimodal biometric authentication.

References

- Daugman J. &quot;Combining Multiple Biometrics&quot;, the Computer Laboratory at Cambridge University, 2000.


Index Terms

Computer Science

Pattern Recognition

Keywords

Biometrics Multimodal Face Fingerprint Fusion Matching score