Abstract

Every person has a unique palm print and by extracting the features from it; can build an authentication system likely fingerprint authentication. The proposed system is able to extract the ridge patterns present in the palm and compare it to the template stored in the data base and according to the matching key points it will authenticate a person. The acceptance rate of proposed palm prints authentication system is higher and also has high significant usability in the biometric identification technique. Some statistical properties will be compute which are necessary for the identification of an individual through the proposed system. The system uses some exceptional information from palm prints like principal lines, wrinkles, and textures while process of authentication carried out. Proposed methodology in the system tries to eliminate the probable deception that can’t be evaded by the existing methods which uses identity cards and passwords. Proposed system offers high accuracy with null fraudulent for the identification purpose and can be widely used in many applications where authentication is the major part of processing the system.
References

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Index Terms

Computer Science          Security

Keywords

Palm Print, Authentication, Palm Crease, Gabor Filter, Biometric.