Abstract

A biometric system provides more efficient and reliable means of identity verification. By this biometric verification it can be decided whether print based identity verification system has been widely used in various applications like access control, two characteristics belongs to the same person or not. Human palm print images contain some unique objects that can easily identify people, which make it a very competitive topic in biometric research. This paper proposes a new method for human identification using palm print based biometrics. In this approach, first of all, the images of the palm are to be captured using digital camera. Then extract some special features for palm print images of human using image processing. Here special region based features are extracted that are more efficient. Dataset is to be created for using such features. Neural network is used here for the similarity matching. Back propagation algorithm is used here.
Palmprint Biometrics using Feed Forward Back Propagation Neural Network

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Index Terms

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Keywords

Neural network  back propagation  features extraction