Abstract

Now-a-Days Biometric based recognition is the most popular human recognition pattern. Biometric based recognition is an approach using the biological features inherent in each individual. They are processed based on the identical, portable and arduous duplicate characteristics. In the Palmprint recognition application implementing more details apart from principle lines or minutiae will be much helpful. In this paper, proposed a texture based palmprint recognition system. It is suitable to large organizations for maintaining employee entry record. Here, presents an algorithm to extract the features from region of interest (ROI) of palmprint images. In this approach 128 X 128 ROI images of the Hong Kong Polytechnic University 2D_3D_ palmprint database. From these images, extracted some texture features by using of simple methods. Training set is prepared with the help of K no. of samples per user, where K varies from 1 to 4. Results are checked against remaining images in image recognition mode. Results are encouraging.

References

- J. Lu, Y. Zhao and J. Hu, "Enhanced Gabor-based region covariance matrices
- The Hong Kong Polytechnic University 2D_3D_Palmprint Database, http://www.comp.polyu.edu.hk/~biometrics/2D_3D_palmprint.htm

**Index Terms**

Computer Science

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**Keywords**

Biometric

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Texture Based Recognition

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