A New and Effective Approach for Fingerprint Recognition by using Feed Forward Back Propagation Neural Network

International Journal of Computer Applications
© 2012 by IJCA Journal

Volume 52 - Number 10
Year of Publication: 2012

Authors:
Jyoti Rajharia
P. C. Gupta

10.5120/8239-1492

Abstract

Fingerprint recognition is one of the oldest form of biometric identification. It has been used for over a century because of their uniqueness and consistency over time. In this paper a new approach has been used in which feed forward back propagation neural network is implemented through matlab. The result obtained shows that the proposed approach somewhat improves the performance compared to the previous approaches.

References

- Haiping Lu, Xudong Jiang and Wei-Yun Yau, &quot;Effective and Efficient Fingerprint
- http://en.wikipedia.org/wiki/Pattern_matching
- homepage.inf.ed.ac.uk/rbf/IAPR/researchers/PPRPAGES/pprtut.htm

- Bishop M. Christopher, (2010) "Neural Networks for Pattern Recognition”, pp. 1-10

**Index Terms**

Computer Science  Pattern Recognition

**Keywords**

Pattern recognition  biometric identification  feed forward back propagation  neural
network

matlab