Abstract
Dynamic signature is an important behavior based biometric. Dynamic features of human signature are available in case of on line signatures. Spatial Co-ordinates, pressure, azimuth, altitude variation w.r.t. time is analyzed in this paper. The signature feature vector is extracted from the captured feature points using transforms such as DCT, FFT, WHT & Kekre’s Transform. Derived features such as Velocity, Acceleration, velocity & Acceleration angle as well as Row & Column mean of pressure is used for analysis, In addition we have also used Gabor Filter based texture feature map to represent the dynamic information in the signature. Finally the performance is compared for above mentioned variations.

Reference

- H B Kekre, T K Sarode, V A Bharadi,A A Agrawal, R J Arora , M C Nair, “Performance Comparison of Full 2-D DCT, 2-D Walsh and 1-D Transform over Row Mean and Column Mean for Iris Recognition “,Proceedings of ACM International Conference ICWET 2010, India, Feb 2010
- A K. Jain, S Prabhakar, L Hong, "A Multichannel Approach to Fingerprint Classification",
IEEE Transactions On Pattern Analysis And Machine Intelligence, Vol. 21, No. 4, April 1999

**Index Terms**

Computer Science

Wireless

**Key words**

Biometrics

On-line

SRS

Transforms

DCT

FFT

Kekre’s Transform

Gabor Transform
