Abstract

Latent fingerprint matching has played a critical role in identifying the suspects and criminals. Latent fingerprints are fingerprints which are obtained from crime scence. These are essential to forensics as well as law enforcement agencies to match & identify the criminals. Latents be the incomplete fingerprints to facilitate be regularly smudgy and blurred among small area, it contains huge deformation. Latent fingerprints are those that are not visible to the naked eye these prints consist of expected secretions of person skin. Here a new matching technique is planned for matching a Latents. This algorithm uses the Texture Descriptor with Hough Transform. The new fingerprint matching algorithm that uses both orientation field and minutiae information. The proposed matching technique perform the alignment between the Latent fingerprint and fingerprints in the database and also compute the match score.

References

Latent Fingerprint Matching based on Texture Descriptor using Hough Transform


Index Terms

Computer Science
Pattern Recognition

Keywords

Latent Texture descriptor Hough Transform minutiae