Security plays a very important role in one's life. Biometrics is an effective technology for personnel identity authentication. It has the capability to reliably distinguish between an
authorized people. This paper presents the fusion of fingerprint modalities at Rank level fusion as well as feature level fusion. This paper includes well-known feature extraction method of Gabor Filter in rank level fusion and minutiae feature extraction method for feature level fusion. Decision making approach is used at rank level and Neural Network approach is used for matching at feature level fusion. Multiple instances for one biometric traits are used. The system activate through artificial neural network. The proposed approach for feature level fusion provides the better result. The recognition rate is increased & the error rate is decreased by with the help of this system.

References

Index Terms

Computer Science

Artificial Intelligence
Keywords
Fingerprint  Rank-level Fusion  Features Level Fusion  Neural Network.