Abstract

Iris recognition is most precise and consistent biometric identification system accessible in the current situation. The demand for an accurate biometric system that provides dependable identification and verification of an individual has increased over the years. A biometric system that provides reliable and accurate identification of an individual is an iris recognition system. This reliability is provided by unique patterns of human iris which differs from person to person up to an extent of identical twins having different iris patterns. This paper has proposed the hybridization of Hough Circular Transform, Scale Invariant Feature Transform and Genetic Algorithm. The genetic algorithm is applied to optimize the features set as obtained by Scale invariant feature transform.

References

A Feature Level Extraction based on Iris Recognition for Secure Biometric Authentication


Index Terms

Computer Science

Image Processing

Keywords

Iris Recognition, Hough Transformation, SIFT, Genetic Algorithm.