REVIEW OF BIOMETRIC AUTHENTICATION THAT USES PATTERN-RECOGNITION

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Abstract

As the demand for security systems is increasing exponentially day by day, there has been rigorous search for different verification and identification techniques. Facial features, voice patterns, hand geometry, retinal patters, vein patterns, signature dynamics, voice verification, facial thermography, DNA matching nailbed identification, gait recognition, earshape recognition and finger prints have all been explored as biometric identifiers with varying levels of success. However they have certain short comings which are being over come by using unique patterns of human iris as this technology is based upon the fact that no two iris patterns are alike. After rigorous review of hundreds of papers on iris recognition systems we are presenting this review paper. This paper contributes for the survey on iris recognition and highlights the importance of color for the same.