Iris Recognition System using Biometric Template Matching Technology

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ABSTRACT

The world today is making rapid progress in its quest to realize the dream of a creating a user friendly, customer caring ambience. With every new dream comes the nightmare of a security of the system lapse which may allow the misuse of the system. A major success in trying to bridge the advent of a security lapse is the use of biometrics. Biometric technologies such as fingerprint, facial recognition, and iris recognition are deployed for verification and/or identification in applications such as access control, border management, and Identification systems. The work presented in this paper developing an 'open-source' iris recognition system in order to verify both the uniqueness of the human iris and also its performance as a biometric. The system performed with perfect recognition on a set of 40 eye images. The recognition scheme presented here is more reliable and accurate biometric technology.