Multifactor Authentication Model using Fingerprint Hash code and Iris Recognition

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ABSTRACT

Authentication is using one or multiple mechanisms to show that you are who you claim to be. As soon as the identity of the human or machine is demonstrated, then human or machine is authorized to grant some services. The modern research study reveals that fingerprint is not so secured like secured a password which consists of alphanumeric characters, number and special characters. This model proposes instead of password iris of the user, which is also one of the strongest physiological biometrics recognition systems. The iris is absolutely fashioned by way of eighth month of adults, and remains stable throughout the life span. In recent years, the usage of Iris for human identification has substantially grown due to the tremendous advantages with traditional or usual or normal authentication techniques based on private identity numbers (PINs) or passwords. In fact, given that iris is intrinsically and uniquely related to a character, they can't be forgotten, without difficulty stolen or reproduced. But, the use of Iris may additionally have some drawbacks related to viable safety breaches. On the grounds that iris traits are limited and immutable, if an attacker has gets access to the database where they are saved, the system security may be irreparably compromised. To deal with this hassle, an iris structure with template protection becomes very much essential. In this paper the different methods of iris recognition are studied with its features. This paper also discusses about multifactor authentication model.

Keywords: Fingerprint Recognition, Fingerprint Hash code, Iris Recognition, Multifactor Authentication Model, Template Protection..