AUTHENTICATION SYSTEM USING BIOMETRICS PALM DETECTION

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A Project Report
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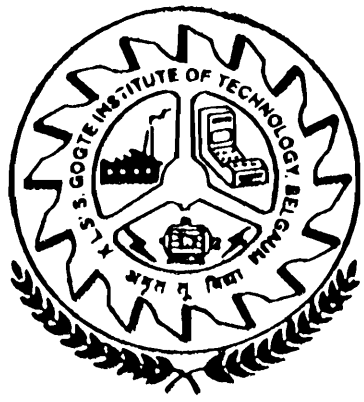

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ABSTRACT

The Project deals with the security of systems. As the Technology is getting more and more advanced and networked, very high threats to security and personal identification are becoming serious concern.

Using biometrics to verify identity means using a physical characteristic such as face, voice or Palm prints to authenticate an individual's claimed identity. Palm print matching is by far the most successful biometric technology because of its ease of use, non-intrusiveness and reliability. Palm prints consist of ridges and valleys formed in complex patterns that are unique for every person and thereby provide an optimal verification.

The term "biometrics" is commonly used today to refer to the authentication of a person by analyzing the physical characteristics (like palm prints) or behavior characteristics (like voice or gait). Palm print matching is one of the most diffused biometric techniques used in automatic personal identification or verification, because of its strong reliability and its low implementation cost

The best solution would be to use age old techniques with new technology therefore we intend to build a solution where the palm of the person will be scanned and authenticate his identity as we all know that no two persons will have same palm impression nothing can be more better unique identity then the palm impression.