



REVIEW OF BIOMETRIC 3D PALM PRINT RECOGNITION SYSTEM

¹Ritu, Research scholar, Department of CE, IIET, Kinana jind, Mittalritu047@gmail.com

²Mr. Amit Garg Assistant Professor CE, IIET, Kinana Jind. amit.indus86@gmail.com

ABSTRACT: Biometrics is technology of identifying uniquely human subjects by means of measuring & analyzing one or more inherent behavioral or physical traits.

These human body characteristics include fingerprints, voice patterns, eye retinas & irises, facial patterns & hand dimension. Biometric systems include applications

making use of biometric technologies & which allow identification automatically, verification or authentication of a natural person. In principle, processing of personal data involving use of a biometric system is considered by privacy experts to be only justified within places requiring a high level of security & absolute identification procedures.

The implementation of similar systems should take place within a transparent way & therefore appropriate information should always be provided to employees.



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[1] INTRODUCTION

A biometric system might be used for personal recognition instead of token-based methods such as a passport, a physical key & an ID card or Knowledgebase method such as a password. In token-based, “token” could be stolen or lost easily while knowledge could be forgotten or guessed within a knowledge-base [9].

In this research we will use three dimensional technologies to compare biometric features of person to enhance security.

During last years there has been growing use of automatic personal recognition systems. Palmprint based biometric approaches have been intensively developed over last 12 years because they possess several advantages over other systems. Palmprint images could be acquired with low resolution cameras & scanners & still have enough information to achieve good recognition rates.

Biometrics With Smart Cards

Smart cards, when combined with biometrics, offer a number of benefits.

smart cards provide a portable storage mechanism for biometric template. This means template management is eliminated across biometric reader network. Enrolled users

present their smart card to biometric reader at any location where card is valid. The biometric template contained on card (which is usually encrypted) is compared to live biometric. If two match, system grants user access.



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