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Implementation Of 3d Biometric In Recognition System

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ABSTRACT: Palm print recognition is one of biometrics available at present. Biometric systems are used to authenticate identity by measuring physiological and/or behavioral characteristics. So, two main categories of biometrics are 'physiological' and/or 'behavioral'. physiological category includes physical human traits such as palm print, veins, etc. behavioral category includes movement of human, such as hand gesture, speaking style, signature etc. measurement of these traits helps in authentication using biometric systems. palm print based systems for evidence make use of ink marking to capture palm print patterns. These systems are not greatly accepted because of biget attention & co-operation of users to provide data. Recently digital camera is used to capture images & users hand placing is constrained using pegs.

[1] INTRODUCTION

Biometrics is technology of identifying special human subjects by means of measuring & analyzing one or more inherent behavioral or physical traits. These human body feature include fingerprints, voice patterns, eye retinas & irises, facial patterns & hand dimension. System of Biometric are include applications making use of biometric technologies & which allow identification automatically. In principle, processing of personal data involving use of a system of biometric is considered by privacy experts to be only justified within places requiring a high level of security & absolute identification procedures.

Palm print recognition is one of biometrics available at present. Biometric systems are used to authenticate identity by measuring physiological and/or behavioral characteristics. So, two main categories of biometrics are 'physiological' and/or 'behavioral'. physiological includes category physical human traits such as palm print, hand shape, eyes, veins, etc. behavioral category includes movement of human, such as hand gesture, speaking style, signature etc. measurement of these traits helps within authentication using biometric systems. One of most successful biometric systems is palm print recognition system. This system recognizes on basis of palm print of a person. It is reliable due to fact that print patterns are always unique. Palm print is made up of principal lines, wrinkles, & ridges. Three kind of features are within palm print: geometry features (width, length, & area of palm), line features (principal lines, coarse wrinkles, & fine wrinkles), & point features. Palm print verification uses these features to verify identity of a person.