Fatima Institute of Management

MBA, MCA, M.Sc. (IT & M)

13th September, 2017

INTERNATIONAL CONFERENCE ON

GLOBAL TALENT MANAGEMENT IN THE DIGITAL ERA

Fatima College (Autonomous)
College with Potential for Excellence
Re-Accredited with 'A' grade by NAAC
(National level 27th rank - NIRF 2017)
Mary Land, Madurai

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Organized by

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TECHNIQUES USED IN BIOMETRIC RECOGNITION

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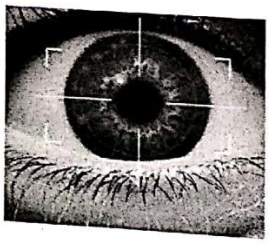
I. Introduction

Biometrics refers to the automatic identification of a person based on one or more distinguishing physiological or behavioral characteristics. The goal is to either determine the previously established identity of an individual or to verify an individual's identity claim. Unique physiological identifiers include fingerprints, hand geometry, palm veins, face recognition, earlobe geometry, retina and iris patterns, voice waves, and DNA matching. Behavioral characteristics such as signature, typing rhythm, gait, and voice are also used for authentication.

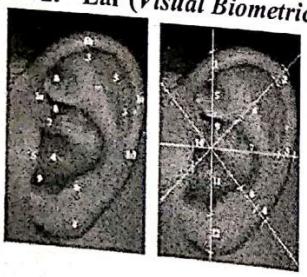
II. Comman Techniques Used in Biometric Recognition

1. Eyes - Iris Recognition (*Visual Biometric*)



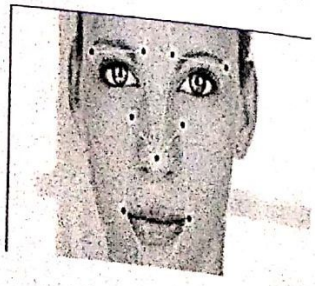
The use of patterns of veins in the back of the eye to accomplish recognition.

2. Ear (*Visual Biometric*)



The identification of an individual using the shape of the ear.

3. Face Recognition (*Visual Biometric*)



The analysis of facial features or patterns for the authentication or recognition of an individual's identity. Most face recognition systems either use eigenfaces or local feature analysis.