



A Review on Palm vein biometric identification technique

Raj Kumar, Assistant professor, Deptt. of CSE JIET, JIND(India)

Himanshi, M.Tech Scholar, Deptt. of CSE, JIET, Jind (India)

Abstract: *This paper presents an overview of various biometric traits used for human identification. This paper mainly focus, on the palm veins based recognition techniques. The information provided by veins is hard to forge as veins are internal to the human body, also palms do not have hairs as the other parts of the body. Moreover, the palm veins does not get effected by the dryness or roughness of the skin. Furthermore, the vascular pattern is unique to every individual and even among twins. Due to these reasons, the palm vein based recognition methods offers a high level of accuracy. In palm vein identification the vascular patterns of an individual's palm are used as the personal identification data. Compared with the other biometric traits such as fingers or the back of a hand, a palm has a broader, and more complicated vascular pattern and thus contain numerous differentiating features for human identification.*



Keywords: palm vein, biometric traits, identification

I. Introduction:

In this digital age, where one can easily access their information anytime and anywhere, people are also faced with the risk that others can easily access the same information without their knowledge. Fearing of this situation, various personal identification techniques are developed, which can distinguish between registered legitimate users and imposters. These days, mostly passwords, and Personal Identification cards are used for recognition and authentication. However, there are risks associated with them such as, cards can be stolen, and passwords and numbers can be guessed or forgotten. To deal with these problems, biometric based authentication technology, which identifies people by their unique biological traits, is gaining popularity among researchers. Biometrics features of each individual are unique feature. Biometric identification refers to an automatic recognition of individual based on feature vectors derived from their physiological and/or behavioral features [1]. Common physiological

Note : For Complete paper/article please contact us info@jrps.in

Please don't forget to mention reference number , volume number, issue number, name of the authors and title of the paper