International Academy of Science, Engineering and Technology
Connecting Researchers; Nurturing Innovations
IASET

FINGERPRINT RECOGNITION SYSTEM

GOUTAM BHATTA

Sikkim Manipal University, 5th Mile, Tadong, Gangtok

ABSTRACT

Human fingerprints are rich in details which is known as minutiae, which can be used as identification marks for fingerprint verification. Our term project is to study on fingerprint recognition system based on minutia based matching which is quiet frequently used in various fingerprint algorithms and techniques. The approach of this project involves how the minutia points are extracted from the fingerprint images and after that between two fingerprints we are performing the fingerprint matching. Image enhancement, image segmentation, minutia extraction and minutia matching these stages are the main themes of our project. This project is coded in MATLAB.

KEYWORDS: Scanning of Bio-Metric Fingerprints, Minutia, Fingerprint Verification vs. Identification, Fingerprint Identification Algorithm, Identification for Image Processing, Experimental Result