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University College Sedaya International

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SCHOOL OF ENGINEERING

FINAL YEAR PROJECT REPORT

TITLE OF PROJECT : FINGERPRINT RECOGNITION FOR DIFFERENT ORIENTATIONS

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Abstract

One of the most critical issues to solve when building multi-accessible system, such as cars, computer applications, and electronic commerce, is to determine the identity of a person. A fingerprint recognition system with good accuracy is therefore needed for this case. In this project, good feature extractions methods are studied and applied in the system in order to ease up the matching process at the mean time increasing the accuracy of recognitions. Research on different orientations matching and an application of its new method was also included in this project. Generally, good matching algorithms bring high percentage of accuracy. However, further improvements are still needed since there are many existing factors which lead to the failures of matching.