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Study on the Implementation of Biometric Device (Fingerprint) in Attendance Tracking for UiTM Students.

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DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

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ABSTRACT

The use of biometrics in accordance with tracking attendance in secondary educational environments is a very controversial issue. In this research, biometric devices relating to the use of tracking attendance and addressing issues and concerns that educational institutions face in deciding whether or not this biometrics is implemented in attendance tracking for UiTM students. Biometrics Fingerprint device is a popular technique for determination of attendance no matter whether in the working place or for student attendance. Many companies and a few IPT in Malaysian have using it are as a part of daily transaction. With using this biometric Fingerprint device, we can make attendance tracking easier than traditional attendance tracking. A fingerprint is an imprint made by the pattern of skin on the pad of a human finger. These ridges are commonly believed to provide traction for grasping objects. No two humans, not even identical twins, have ever been found to have identical fingerprints. Fingerprints are widely believed to be unique. Also, fingerprints do not change significantly with age. Because of these characteristics, a person's fingerprint can be used as a method to identify human individuals. Biometrics is the ability to automatically recognize a person using distinguishing traits such as fingerprints, face, retina or iris from the eye, voice, or hand geometry. Each of these methods of recognition has advantages and disadvantages. Attributes such as cost, size, and reliability, operating environment, speed and accuracy help determine the suitability for different applications. Without examining each of these biometric recognition methods in detail, a case can be made that fingerprint recognition has the broadest applicability for most systems and is the best place to begin a search for an appropriate biometric. So Biometric Fingerprint is suitable device to used for attendance tracking for UiTM students because it is electronic record that save the attendance automatically when we put the finger at that devices. The main objective of this study is to determine the necessity of Biometric Fingerprints devices for attendance tracking of UiTM student. On this research, the approach will be through quantitative

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research by distributing questionnaires and interview sessions among 150 lecturers from various faculties in UiTM Shah Alam to get the primary data. I also hope that this research will throw light on what information they know about it. This thesis also provides several recommendations and suggestions in order to get the best way to implement the biometric fingerprint device in attendance tracking for UiTM students.