




COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

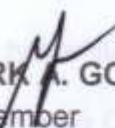
This thesis entitled "**FINGERPRINT-BASED LOCKER FOR CCIT**", prepared and submitted by **Michelle Angela A. Alejandro, Kenneth A. Barrientos, Michael Jay R. Salazar and Gil Francis M. Sembrano** in partial fulfillment of the requirements for the degree **Bachelor of Science in Computer Engineering**, has been examined and recommended for Oral Examination.


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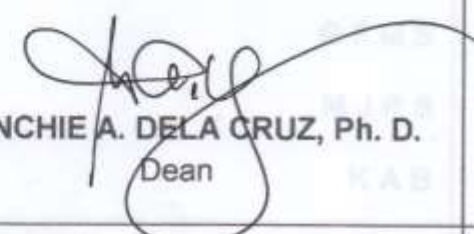

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ABSTRACT

This paper presents Fingerprint-based locker for CCIT. The study ensures the security of personal and confidential belongings of a person. The system was able to scan finger, match it with a saved fingerprint data and open the locker, ensuring that only the renter can open the locker door and remove its contents.

Fingerprint-based locker for CCIT was developed using Arduino ATMEGA R3 Microcontroller as the main board of the system. An LCD was added to the design to show the process of the system. The fingerprint scanner was also need to secure the locker. Fingerprints are the most common biometric technology used in many applications. The fingerprints recognition and matching is one of the simplest ways of verifying a person's identity. It requires the imaging and comparison of the print pattern

The evaluation of the project design was Excellent in terms of the level of functional sustainability, performance efficiency, compatibility, usability, reliability, maintainability and probability. In the level of acceptability, the project design obtained an Excellent rating in terms of functionality, ease of use and cost.

The study geared towards the Fingerprint-based locker for CCIT that was a serve as a solution to the problems being encountered inside the school premises.