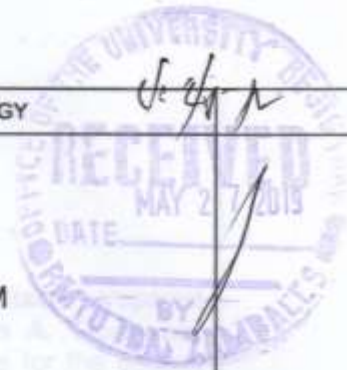




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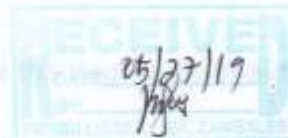
BIOMETRIC ATTENDANCE RECORDING SYSTEM

Presented to the Faculty of the
College of Communication and Information Technology
President Ramon Magsaysay State University
Iba Campus, Iba, Zambales

In Partial Fulfillment of the Requirements for the Degree
Bachelor of Science in Computer Engineering

By

**Paolo L. David
Gerson A. Tiongson
Fritz Erroll R. Alapan
Kristian Rae E. Buenconsejo**



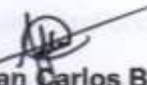
April 2019



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY


CERTIFICATION

This project design entitled "**Biometric Attendance Recording System**", prepared and submitted by **Paolo L. David, Fritz Erroll R. Alapan, Gerson A. Tiongson, Kristian Rae E. Buenconsejo** in partial fulfillment of the requirements for the degree Bachelor of Science in Computer Engineering, has been examined and recommended for Oral Examination.

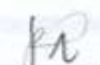

Engr. Bryan Carlos B. Acain
Adviser


APPROVAL

Approved by the **PANEL OF EXAMINERS** on Oral Examination on May 2, 2019.


Engr. Ricky S. Barrera
Chair

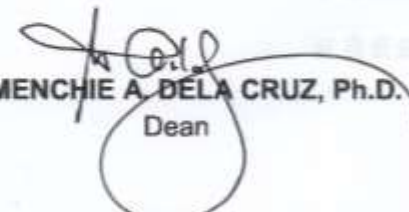

Engr. Mark A. Gonzales
Member


Engr. Regina F. Amistad
Member


ENGR. Dionisio M. Martin Jr.
Program Chair, BSCpE

Accepted in partial fulfillment of the requirements for the degree **Bachelor of Science in Computer Engineering**.

5/27/2019
Date


DR. MENCHIE A. DELA CRUZ, Ph.D.
Dean



ABSTRACT

This study presents biometric attendance recording system. This is a system designed to print a report of attendance. For registration, users' need to enroll their information such as name, ID number and biometrics to the device. The device also enrolls schedules. The schedule contains; name of the lecturer; time and day of the subject; and name of the subject. After enrolling information and adding schedules, manually enrol the users to their designated subjects. Use the button log-in for attendance using the users' biometric to sign-in. Then print the attendance report.

Biometric attendance recording system was developed using Raspberry pi. Raspberry pi is neither a microprocessor nor microcontroller and it is the main board of the system. The Fingerprint scanner is used for enrolling information, signing-in for attendance and for verification. The thermal receipt printer is used for printing attendance report and for printing the class list of a subject. The program is displayed in the LCD. Mouse and keyboard is also used for inputting text and selecting buttons.

A typical respondent in the baccalaureate degree in a BS in Computer Engineering and the respondent's perception of level of acceptability are students and faculty members of the College of Communication and Information Technology.

According to the respondents, they found that the device is moderately acceptable in terms of the following: functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability.

They also found that the device is easy to use and operate.

2. REVIEW OF RELATED LITERATURE AND STUDIES

Foreign Related Literature