



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

SCHOOL SUPPLIES VENDO MACHINE FOR CCIT



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

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

By:

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John Paul C. Asiatico
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COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This thesis entitled "**SCHOOL SUPPLIES VENDO MACHINE FOR CCIT**" prepared and submitted by **John Paul Asiatico, Christine Acenas, Mayzelle M. Canosa, Shan Michael Laborce**, in partial fulfilment of the requirements for the degree of **Bachelor of Science in Computer Engineering**, has been examined and recommended for Oral Examination.


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Approved by the Panel of Examiners on Oral Examination on April 29, 2019 with a grade of _____.


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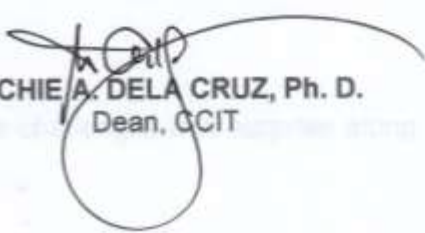
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ABSTRACT

The developed School Supplies Vendo Machine at the President Ramon Magsaysay State University, College of Communication and Information Technology can provide students easy, quick, and convenient access to the basic school supplies. The design project uses LCD screen to display the user interface, Keypad to input data, Coin acceptor and dispenser. These components are all interfaced and utilized through the Arduino board. The device can only dispense school supplies such as pencil, marker, ball pen, and bond paper with a maximum of 9 pieces per transaction for each item, and was coin operated and cannot accept paper bills. Descriptive research was used, wherein the study focused on the current situation, and purposive sampling technique in determining the respondents. The Product Quality of the School Supplies Vendo Machine was "Excellent" as evaluated by the students in terms of functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability while the Level of Acceptability in terms of functionality and ease of use was "Highly Accepted". Furthermore, based on the evaluation of the respondents there is no significant difference between the device's Product Quality and Level of Acceptability. Recommendation were provided.