



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**BARANGAY LIPAY-DINGIN-PANIBUATAN CHILD  
VACCINE MONITORING SYSTEM**

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

In Partial Fulfillment of the Requirements for the Degree  
Bachelor of Science in Information Technology



By:

Jefferson Brocka Delos Santos  
Christian Agrabio Milagrosa  
Ronald Ompad Villanueva

May 2019





COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**CERTIFICATION**

This thesis entitled "BRGY. LIPAY DINGIN PANIBUATAN CHILD VACCINE MONITORING SYSTEM", prepared and submitted by **Jefferson B. Delos Santos, Christian Milagrosa & Ronald Villanueva** in partial fulfillment of the requirements for the degrees of **Bachelor of Science in Information Technology**, has been examined and recommended for Oral Examination.

  
**ERIC G. GALANG**

Adviser

**APPROVAL SHEET**

Approved by the PANEL OF EXAMINERS on Oral Examination on April 3, 2019 with a grade of \_\_\_\_\_.

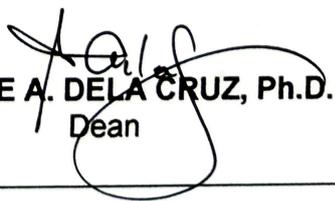
  
**DANIELA A. BACHILLAR, MSCS**  
Chairperson

  
**FIEL M. DULLAS JR.**  
Member

  
**DARIO ALLUSO JR.**  
Member

Accepted as partial fulfillment of the requirements for the degree  
**Bachelor of Science in Information Technology**

6/6/2019  
Date

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



## ABSTRACT

The primary purpose of developing the Child Vaccine Monitoring System is to have an automated system where data are encoded, process and stored from which useful information can be generated and retrieved with ease and efficiency.

This research aimed to develop a monitoring system wherein health workers at the barangay level can encode infants' information and the schedule of immunizations, particularly vaccination, in the first 12 months of the infant's life. This monitoring system was designed to help barangay health workers in keeping records of infants' immunizations, schedule of the next vaccination and other similar health related tasks. Health workers will be provided information on who will be the recipients of immunizations in a particular day for them to efficiently provide health services to their constituents, eliminating the possibilities of negligence brought about by manual monitoring.

The system can provide a fast procedure of every records that it may handle So the Barangay Health Workers can easily monitor, register a new record, search the child's status and history and the vaccine that the child has already taken so we can save more time and save more tress because we can save papers. The system can notify the user of the system if the child is scheduled today and in the report, it can identify if the child is not given a particular vaccine scheduled to him/her. Also the system can record not only the child's information it can also identify who is the person responsible for giving a vaccine to a child. It can produce reports so the record, history, schedule and transaction is ready for printing and other



**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**

relate task unlike the manual procedure. Not only the barangay health worker will benefit the system for the convenience and effectivity but also the parent and the child for making them comfortable and less hassle.

APPENDIX	iv
ABSTRACT	iv
TABLE OF CONTENTS	iv
LIST OF TABLES	iv
LIST OF FIGURES	iv
Chapter I THE PROBLEM AND ITS BACKGROUND	1
Introduction	1
Statement of the Problem	1
Justification of the Study	1
Scope and Delimitation of the Study	1
Significance of the Study	1
Definition of Terms	1
Chapter II REVIEW OF RELATED LITERATURE AND STUDIES	2
Foreign Literature	2
Local Literature	2
Foreign Studies	2
Local Studies	2