



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

**MOTORCYCLE ACCIDENT DETECTION WITH TRACKING SYSTEM**

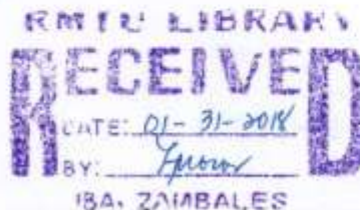
**A Thesis  
Presented to the Faculty of  
College of Communication in Information Technology  
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Iba, Zambales**

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

**By**

**Sunshine D. Baysa  
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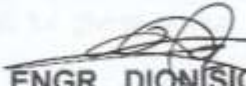




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**CERTIFICATION**

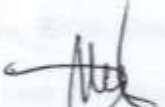
This thesis entitled "**MOTORCYCLE ACCIDENT DETECTION WITH TRACKING SYSTEM**", prepared and submitted by **SUNSHINE D. BAYSA**, and **BONS A. MARAVE**, **LOVELY PEARL M. MODELO** in partial fulfillment of the requirements for the degree **BACHELOR OF SCIENCE IN COMPUTER ENGINEERING**, has been examined and recommended for Oral Examination


  
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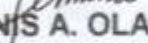
**APPROVAL**

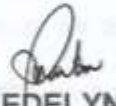
Approved by the Panel of Examiners on Oral Examination on March 09, 2017 with the grade of \_\_\_\_\_

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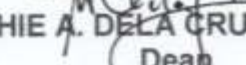
  
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### ABSTRACT

This paper presents motorcycle accident detection with tracking system. This design is a system that can detect an accident in significantly less time and sends the key information to the first medical service center in a few seconds covering the geographical coordinates.

Motorcycle Accident Detection with Tracking System was developed using Arduino Uno Microcontroller; it is the main board of the system. The GSM800L was also need to controllers via commands. This GPS Module was used for vehicle navigation commonly referred to simply as a GPS it was used to receive information from GPS satellites and then to accurately calculate its geographical location. The location of the accidents was displayed and on the LCD (16\*2).

This study geared development towards of the Motorcycle Accident Detection with Tracking System that was a serve as a solution to the problem being encountered accident of the driver of motorcycle.

A typical respondent in the baccalaureate degree is a BS in Computer Engineering and the respondent's perception of level of acceptability is motorcycle driver.

The need to orient the motorcycle driver, police authorities and medical service or the users regarding the operations of the system.