# MANEHERO DRIVER'S GUIDE FOR ROAD SAFETY

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

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April 2019

# CERTIFICATION

This Thesis entitled **"MANEHERO DRIVER'S GUIDE FOR ROAD SAFETY"** Prepared and submitted by Sarah Mae E. Molino, Mark Gelo S. Grey and Kent Russel H. Marzo in partial fulfillment of the requirements for the degree of **Bachelor of Science in Information Technology**, has been examined and recommended for Oral examination.

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# APPROVAL SHEET

Approved by the **PANEL OF EXAMINERS** on Oral Examination on April 29, 2019 with a grade of \_\_\_\_\_

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Accepted as partial fulfillment of the requirements for the degree

# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

6/6/2019
Date
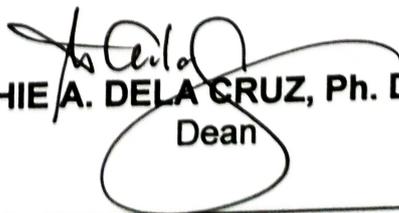
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# ABSTRACT

The aim of the study is to develop mobile application which is an e-learning games entitled Manehero Driver's Guide for Road Safety, it is a driver's simulation game and can show difference significance and meaning of road signs. The main objective of the study is to help the driver's and the people who is willing to learn how to drive to know the meanings of the road signs. This can help the user entertained and educated at the same time. This study attempted to answer the following questions: How is the PRMSU student and employee describe the software quality of Manehero Driver's Guide for Road Safety in terms of: Compatibility, Functionality Suitability, Maintainability, Performance efficiency, Portability, Reliability, Security and Usability and How is the PRMSU student and employee describe the level of acceptability of the Manehero Driver's Guide for Road Safety as to: Functionality and Performance. The descriptive method of research was used in this study. The PRMSU student and employee'sEvaluation in the Software Quality in terms of:Functional Suitability,the proposed game perceived an average weighted mean of 4.31 for students' and 5.00 numerical rating for employee, Performance Efficiency obtained an average weighted mean of 4.25 for students' and 4.50 numerical rating for employee, Compatibilityobtained an average weighted mean of 4.50 for students and 4.18 numerical rating for employee.Usability The overall rating of the proposed Manehero Driver's Guide for Road Safety obtained an average

weighted mean of 5.00 for all students and 4.18 numerical rating for all employee. Reliabilityobtained an average weighted mean of 5.00 for students and 4.29 numerical rating for employee. Securityobtained an average weighted mean of 5.00 for students and 4.29 numerical rating for employee. Maintainabilityobtained an average weighted mean of 5.00 for students and 4.29 numerical rating for employee and Portabilityobtained an average weighted mean of 4.75 for students and 4.58 numerical rating for employee.Evaluation of the Level of Acceptability of the Manehero Driver's Guide for Road Safety in terms of: Functionality,obtained an average weighted mean of 5.00 for students' and 4.17 numerical rating for employee and Performance, obtained an average weighted mean of 4.26 for students' and 4.50 numerical rating for employee.