



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This thesis entitled **Zambales Ambulance Emergency Response Application**, prepared and submitted by **Ian Carlo F. Dadural, Archieval V. Gajudo, Egerill C. Morales and Patrick S. Trinidad** in partial fulfillment of the requirements for the degree of Bachelor of Science in Information Technology.

ZAMBALES AMBULANCE EMERGENCY RESPONSE APPLICATION

ISRAEL M. TABASUG, MSCS
Advisor

A Thesis

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

DANIEL A. BACHILLAR, MSCS
Chairman

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

RIEL M. DILLAS JR.
Member

JASON S. ARTATES
Member

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

**ARCHIEVAL V. GAJUDO
EGERILL C. MORALES
IAN CARLO F. DADURAL
PATRICK S. TRINIDAD**

MENCHE A. DEL CRUZ, Ph.D.

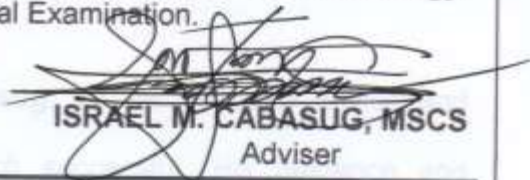
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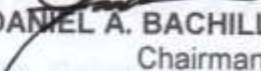
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ISRAEL M. CABASUG, MSCS
Adviser

APPROVAL SHEET

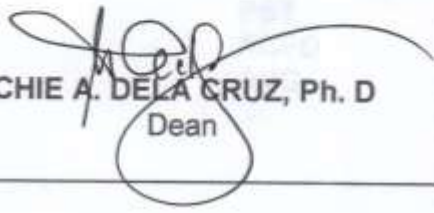
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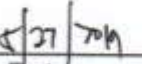

DANIEL A. BACHILLAR, MSCS
Chairman


FIEL M. DULLAS JR.
Member


JASON S. ARTATES
Member

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


MENCHIE A. DELA CRUZ, Ph. D
Dean


Date



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ABSTRACT

The Zambales Ambulance Emergency Response Application that can be efficiently use by people affected within responsible area. This Android based mobile application project will totally change the native way of calling an ambulance and it will be more efficient and reliable for the Emergency Medical Services (EMS). This app will help the user to get any available ambulance without calling the hospitals to check for the ambulance availability. The app reacts with just one tab on the button and it will send the notification of user's details and location via GPRS to nearby ambulance control centre.

The researchers used the Input-Process-Output Model to conceptualize the flow of proceedings of the study. The input consist of the development of the game based on the software quality and level of acceptability with the given criteria. While in the process define the development of the application with the help of Rapid Application Development methodology, FireBase software and JAVA Programming to construct the application. Also evaluation of the application was given to provide assessment on the study. The output was a developed and evaluated Zambales Ambulance Emergency Response Application.

The evaluation of the respondents on the Zambales Ambulance Emergency Response Locator was Very Good in terms of the software quality of the application. The evaluation of respondents on The Zambales Ambulance Emergency Response Locator was Acceptable and in the level of acceptability of the application.



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There is no significant difference between the evaluation of the Staff and Residents in the software quality in terms of functional suitability, performance efficiency, compatibility, usability, reliability, security, maintainability and portability. There is no significant difference between the evaluation of the Staff and Residents in the level of acceptability in terms of functionality while in performance there is a significant difference.

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