



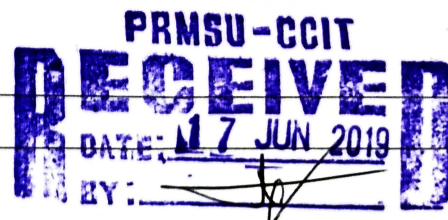
COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

## **PHILIPPINE RED CROSS- ZAMBALES CHAPTER BLOOD SERVICE SYSTEM**

A Capstone Project  
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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May 2019





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CERTIFICATION

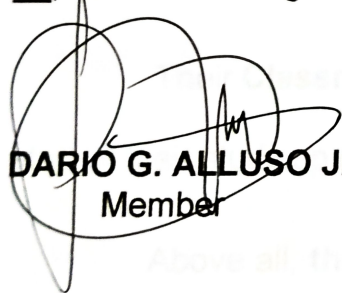
This capstone project entitled "**PHILIPPINE RED CROSS- ZAMBALES CHAPTER BLOOD SERVICE SYSTEM**", prepared and submitted by **Alexandrei M. Daliposa, Hope L. Edquibal and Shydell T. Elbo** partial fulfilment of the requirements for the degree **Bachelor of Science in Information Technology**, has been examined and recommended for Oral Examination.

  
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APPROVAL SHEET

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## ABSTRACT

Blood services is a relevant and significant public health concern in Zambales, Philippines. Since most blood banks are still in paper-based system, various disadvantages are experienced by various stakeholders, which may endanger the lives of patients and deter the healthcare system. As such, the researchers aimed to design, develop an online blood service record management system

Philippine Red Cross- Zambales Chapter Blood Service System is an online record management system website that enables individuals who want to donate blood to help the needy and process blood requests. It also permits the organization to record and store the data of clienteles, it also provides a centralized blood bank database. The system is developed by using HTML, PHP, and MySQL as a database system to manage and store the data.

The researchers administered a questionnaire base from the ISO/IEC 25010 Systems and software Quality Requirements and Evaluation that assess the perceptions of various stakeholders. Based on the findings and results, it was found out that these stakeholders perceived the system as Excellent, Highly Acceptable. Therefore, with the use of Philippine Red Cross- Zambales Chapter Blood Service System, blood transfusion process is safe and secured. Threats on improper blood donor documentation, or misplaced records will be totally eradicated. Also,



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processes involving recording about blood donors and requests, donor recruitment, blood bag collection, storage, and inventory will be systematized and organized, hence, improving the healthcare management for Philippine Red Cross- Zambales Chapter.

### DECLARATION AND APPROVAL SHEET

### ACKNOWLEDGEMENT

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