



COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

This capstone project entitled "PHILIPPINE RED CROSS- ZAMBALES CHAPTER BLOOD SERVICE SYSTEM", prepared and submitted by Alexandrei M. Daliposa

PHILIPPINE RED CROSS- ZAMBALES CHAPTER BLOOD SERVICE SYSTEM

requirements for the degree Bachelor of Science in Information Technology.

has been examined and recommended for Oral Examination.

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Approved by the PANEL OF EXAMINERS on Oral Examination on May

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

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May 2019





COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY

CERTIFICATION

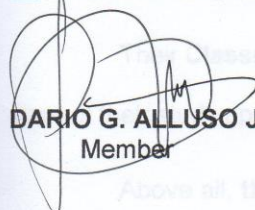
This capstone project entitled "**PHILIPPINE RED CROSS- ZAMBALES CHAPTER BLOOD SERVICE SYSTEM**", prepared and submitted by **Alexandrei M. Daliposa, Hope L. Edquibal and Shydell T. Elbo** partial fulfilment of the requirements for the degree **Bachelor of Science in Information Technology**, has been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


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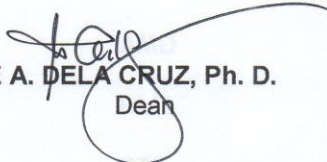

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ABSTRACT

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.

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