**PHILIPPINE RED CROSS ONLINE BLOOD BANK
MANAGEMENT INFORMATION SYSTEM
(PRCOBBMIS)**

A SPECIAL PROJECT
Presented to
the Faculty of the College of Computer Studies
Graduate Programs
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ABSTRACT

Philippine Red Cross (PRC) Blood Services is certified with ISO 9001:2008, a certification for Quality Management System since 2010. Of the 35 Department of Health (DOH) -designated Regional Blood Centers in the country, 21 are operated by the PRC and the rest are by the DOH and private hospitals. Since PRC National Blood Services is one of the major suppliers of blood in the country, PRC is tasked to provide safe and quality blood through its network of 74 blood service facilities nationwide.

Blood centers of the PRC all over the country are having a hard time managing and communicating their data from one blood center to another. Generating monthly reports are also challenging in their part since records are unorganized and data retrieval is time consuming. To address the issue, the Philippine Red Cross Online Blood Bank Management Information System (PRCOBBMIS) was developed. It is a web based environment that provides efficient profiling management and retrieval of data. It is a system designed to manage blood stock inquiries online and even through Short Messaging Service (SMS).

The system was developed by using V-model to lessen errors during the development of the system. PHP programming language was used in the development and MySQl was used for the database tool. Ozeki and Visual C# was used in the integration of SMS in the system. Having been developed using the web architecture, the system provided a more effective networking ability that will help PRC employees in proficiently profiling their donors, keep their blood stock data updated and generate statistical reports.