

**COMMUNITY EMERGENCY PREPAREDNESS RESPONSE  
(CEPR) SYSTEM**

**A Thesis  
Presented to  
The Faculty of the College of Communication and Information Technology  
Ramon Magsaysay Technological University  
Masinloc, Zambales**

**In Partial Fulfilment  
of the Requirement for the Degree  
Bachelor of Science in Information Technology**

**By:**

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**March 2018**

**APPROVAL SHEET**



**Republic of the Philippines  
College of Communication and Information Technology  
Ramon Magsaysay Technological University  
Masinloc, Zambales**

**COLLEGE OF COMMUNICATION AND INFORMATION TECHNOLOGY**

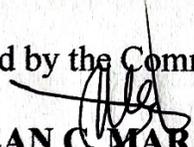
A research study presented to the faculty of the College of Communication in Information Technology in partial fulfilment of the requirement for the degree Bachelor of Science in Information Technology:

**COMMUNITY EMERGENCY PREPAREDNESS RESPONSE (CEPR)  
SYSTEM**

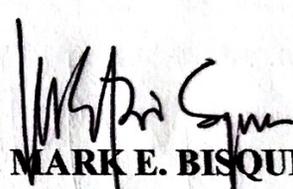
Has been prepared and submitted by  
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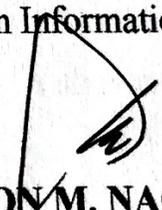
  
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## ABSTRACT

This study dealt with the development of Community Emergency Preparedness Response (CEPR) System which was evaluated by IT Experts in terms of system quality and the target user in terms of system acceptability.

The study made use of the descriptive method of research. The researchers used questionnaire as the main tool in data gathering adapting ISO 25010:2011. There are one hundred forty- five (145) respondents of the study.

The significant findings of this study revealed that IT Experts' evaluation on the Software Quality of the Community Emergency Preparedness Response System in terms of Functional Sustainability is perceived as Excellent (E) with a grand mean 4.43. Performance Efficiency is perceived as Excellent (E) Performance Efficiency with a grand mean of 4.50. Compatibility is perceived as Excellent (E) with a grand mean of 4.62. Performance Usability is perceived as Excellent (E) with a grand mean of 4.43. Reliability is perceived as Excellent (E) with a grand mean of 4.33. Security is perceived as Very Good Excellent (VG) with a grand mean of 4.10. Maintainability is perceived as Excellent (E) with a grand mean of 4.33. Portability is perceived as Excellent (E) with a grand mean of 4.30.

Level of Acceptability of the Respondents on the Community Emergency Preparedness Response System in terms of User- friendliness is perceived as Highly Acceptable (HA) with a grand mean of 4.29. Accuracy is perceived as Highly Acceptable (HA) with a grand mean of 4.34. Ease of Use perceived as Highly Acceptable (HA) with a grand mean of 4.35. Timeliness is perceived as Highly Acceptable (HA) with a grand mean of 4.37.

The Community Emergency Preparedness Response System is cost effective.

Based on the conclusions of the study, the following recommendations are as follows: The user account may be designed in the system to avoid false reports. The study may be improved by the future researchers to widen its scope. The Community Emergency Preparedness Response (CEPR) System may be implemented to the barangays and Disaster Risk Reduction Management Office of the Local Government of Masinloc, Zambales and may conduct orientation and trainings to the intended users before the implementation of the system.