Abstract

The Barangay Disaster Preparedness Monitoring Web Application System is a web application system that will be used by the Department of Interior and Local Government in the Philippines. It is used to standardize data collection of barangay disaster preparedness information at the barangay level, provide a more efficient reporting system for the DILG Field Officers from the cities and municipalities and to have a monitoring tool and automatic consolidation of data at the national level. This system uses an open source Relational Database Management System (RDBMS) and adapts the Philippine Standard Geographic Code data at the national level. This system will provide the DILG management a real-time scenario on barangay preparedness through data visualization.

References

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**Index Terms**

Computer Science  Information Sciences
Keywords

Disaster Preparedness, Community–Based Disaster Risk, Reduction and Management (CBDRRM), Data Visualization, PSGC and Relational Database