BU Thematic Area: Global Competitiveness of Business and Industry

Proposed Title: Barangay Centro Occidental E-blotter Management System

Rationale:

The barangay is the smallest political unit in the Philippines. Each municipality or city is made up of barangays. For a small unit of government, the barangay structure is not a simple one. It has an elected Punong Barangay, a Sangguniang Barangay consisting of seven elected members and the Sangguniang Kabataan Chairman, and a separate appointive secretary and an appointive treasurer – altogether 11 barangay officials.

In this context, Transaction Processing System (TPS) can be implemented to a barangay hall that will provide an efficient transmission in terms of recording and monitoring documents. Transaction Processing System (TPS) is a system that collects, stores, modifies, and retrieves data transaction of an organization. It was designed to process day to day transactions. It seeks time and cost efficiency by automating repetitive operations.

In this study, the researchers aim to develop a system entitled, "Barangay Centro Occidental E-blotter Management System". It will provide an automated system to lessen the manual process in the barangay in the filling of blotter report and issuance of requested documents.

Objectives of the Study:

The study aimed to develop an E-blotter Management System for Barangay Centro Occidental that automates the manual process of monitoring and recording of documents. Specifically, it aims to:

1. Determine the problems encountered of Barangay Centro Occidental in terms of: a.) blotter reports b.) barangay documents and c.) barangay information and activities;
2. Design and develop a stand-alone system that is fully automated and user-friendly to the users; and
3. Evaluate the proposed system in terms of functionality, reliability and usability.

Methodology:

The researchers will use the Rapid Application Development Method (RAD). Rapid Application Development is a methodology that enables organizations to develop strategically important systems faster while reducing development costs and maintaining quality. This is achieved by using a series of proven application development techniques, within a well-defined methodology. It consists of a short development cycle based on four (4) phases namely: Requirements Planning, User Design, Construction, and Cutover.

Expected Output:

The proposed study will have a user-friendly graphical user interface (GUI) to be easily understood by the users which is fully automated system, time effective and efficient. It will minimize all the paper works and manual records keeping in the barangay because there is a database that will served as their storage, therefore allowing the barangay officials ease in keeping track of the important documents, reducing the constituents' waiting time in getting barangay documents and increasing the number of people to be served. The process will be fast and convenient not only to the barangay officials who will use it but also to the complainants and constituents in the barangay.

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