

**TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES**

**QUEZON CITY**

**COLLEGE OF COMPUTER STUDIES**

**ITE011- Introduction to Computing**

**BARANGAY PERMIT PROCESSING SYSTEM: EFFICIENT WORKFLOW FOR LOCAL GOVERNMENT PERMITS**

**In Partial Fulfillment of the Requirements in ITE 011**

**(Introduction to Computing)**

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1. **Introduction**

The demands on local government to serve citizens are rising, and the processes needed to do that must become more effective and efficient on time (Mora & Gianan, 2021). Traditional paper-based processing methods often hinder Barangay permits, and essential documents needed for business registrations, construction projects, and other legal transactions. This is twofold, as these antiquated systems create inefficiencies for government officials and applicants, causing unnecessary delays and complications. This study aims to create a Barangay Permit Processing System that automates workflows to reduce errors and improve transparency by making the processes depend on technology. With a modernized systems approach, it expects to provide enhanced delivery service and an advantage for the local government as well as benefit to the community.

1. **Problem/Background of the Study**

Citizens generally tend to seek government services at the local barangay level. Permits are transportable, and even barangays are a very essential aspect, most of them still depend on manual paper-based systems. These traditional guidelines result in various issues:

* Tendency to have processing delays → dependent on physical forms and analyst verification
* Higher chances of mistakes in keeping records and handling files.
* Lack of transparency and monitoring, causing uncertainties to the applicants concerning their permits.

These problems tire down the applicants and prevent barangay executives from making their services effective and efficient. To do so, the perfect solution is to develop and use a system that can be process permit workflow easy, fast with accuracy, transparency and convenience.

1. **Objectives of the Study**

The primary objective of this study is to turn traditional permit processing into a modernized process, we aim to create a website to help increase the efficiency and help the local barangays improve their permit processing system allowing a more user-friendly online platform. This includes:

1. To create a website system to eliminate the need for manual paperwork, simplify the application process, and enable online submission to allow applicants to submit their application and necessary documents without going to their local barangay.
2. To enhance the transparency of the application process by integrating real-time tracking, allowing applicants to monitor the status of their permit requests and reducing the need for follow-up visits.
3. To reduce the workload of barangay staff by automating repetitive tasks, allowing them to focus on more complex and critical responsibilities.
4. **Significance of the Study**

The developer believes that this study on a user-friendly retirement planning system will provide valuable insights for multiple groups, including:

**Residents.** The online platform allows residents to have access to permit applications at the comfort of their home, this convenience benefits individuals with mobility issues.

**Barangay officials.** The implementation of an online permit processing system reduces the need for manual paperwork, the digital format makes for a better organization  of applications and records, improving overall efficiency and workflow.

**Business owners.** The potential for faster permit processing allows businesses to carry on with their services without any unnecessary delays, helping to create a more conducive environment for entrepreneurship.

**Government agencies**. An online permit processing system enhances data collection and management, providing government agencies with valuable insights into local permit issuance.

1. **Sample Input/Output**
2. **Conclusion**
3. **Reference**

Mora, J. P. B., & Gianan, E. R. D. (2021). *Philippine Competitiveness 4.0: Reimagining local economic development (LED) in the digital revolution*. CityNet Asia Pacific.