**AN INTEGRATED DEVELOPMENT OF A YOUTH PROGRAM MANAGEMENT AND PARTICIPATION SYTEM FOR BARANGGAY LONGOS**

A Thesis Project Presented to the

Faculty of Datamex College of Saint Adeline, Inc.

In Partial Fulfillment of the Requirements for the

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**DEPLOYMENT DOCUMENTATION**

**Introduction**

This Deployment Documentation provides a detailed guide for the installation, configuration, and release of the Youth Program Management and Participation System developed for Sangguniang Kabataan (SK) Barangay Longos, Malabon City. The system was created to replace the manual handling of youth programs and records with a digital platform that promotes efficiency, accuracy, and active youth involvement in community projects.

The main objective of this deployment is to ensure a successful transition from the traditional manual process to a fully operational computerized system. The deployment covers the setup of the environment, installation of software, system testing, and user training for SK officials.

**Deployment Plan**

The deployment will follow a phased approach to ensure stability and minimize risks.

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| --- | --- | --- | --- | --- |
| Phase | Description | Start Date | End date | Status |
| Pre-Deployment | Prepare the environment and configure all necessary software and hardware settings. | 09/12/2025 | 09/15/2025 | Completed |
| Deployment | Install and set up the Youth Management System on local computers. | 09/18/2025 | 09/20/2025 | In Progress |
| Post Deployment | Testing, monitoring, and user support after system installation. | 09/21/2025 | 09/24/2025 | Pending |

**Deployment Environment**

Hardware Requirements: Desktop computers with Windows OS used in the Barangay Longo’s SK Office.

• Software Requirements- Visual Studio, Local Storage for information used

• Hosting Information - Local deployment no cloud hosting system runs within the SK Office network.

**Deployment Procedures**

Pre-Deployment Steps

• Back up existing SK program data and ensure its safety before

installation.

• Configuring programming and database tools, then check compatibility with the operating system.

• Set up the local network and make sure the database connection works.

**Deployment Execution**

• Send all system files to the designated SK Office computers.

• Set up the database, system paths, and user credentials.

• Perform initial system tests to confirm everything is set up correctly.

**Post-Deployment Steps**

• Conduct functional and performance tests to check system stability.

• Provide training sessions for users and distribute user manuals.

• Monitor system feedback and fix any issues that arise.

**User Training & Support**

There will be a one-day training session for SK officials and staff members. This session will help them get familiar with the system interface, data entry process, and report generation. The training will include demonstrations and guided practice. The project team will offer support through on-site help and online communication channels.

**Risks & Contingency Plan**

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| --- | --- | --- |
| Risk | Impact | Mitigation Strategy |
| System inaccessibility | High | Schedule maintenance during off-hours and ensure local backup copies are ready. |
| Database connection failure | Medium | Perform connectivity checks before deployment and maintain backup databases. |
| User resistance or unfamiliarity | Low | Provide training, easy to understand manuals, and on call assistance. |

**Deployment Verification & Sign-off**

The deployment will be confirmed after finishing system testing and user acceptance testing (UAT). The SK officials will approve it once they verify that the Youth Program Management and Participation System is working as expected, without any major problems.

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| --- | --- | --- | --- | --- |
| Stakeholder | | Role | Signature | Date |
| Shaicylle T. Ogatia | | Project Leader / System Analyst |  |  |
| Annel Josh Bognalbal | | Programmer |  |  |
| Irish Evangelista | SK. Chairperson | |  |  |