# ABSTRACT

|  |  |
| --- | --- |
| Title | **SERVICE MANAGEMENT SYSTEM: (*PROCUREMENT, WAREHOUSING, ASSET MANAGEMENT, PROJECT MANAGEMENT, VENDOR PORTAL, FLEET MANAGEMENT, AUDIT MANAGEMENT, VEHICLE RESERVATION, MAINTENANCE, REPAIR AND OVERHAUL*)** |
| Authors | **MARC JULIUS M. BARCINAL**  **ROMEL B. CABILING**  **EUNIQUE LAMBERT L. MALANG**  **RONALYN M. RAMOS**  **FRIDALYN T. LESIGUES** |
| Degree | **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY** |
| Major/s | **INFORMATION MANAGEMENT, INFORMATION SECURITY, NETWORK ADMINITRATOR** |
| Date of Completion | **May 2022** |

As Sun Tzu has said, “The line between disorder and order lies in logistics…” that’s because logistics plays a critical role in an organization especially nowadays. The logistics is all about efficiently managing the company’s resources as it affects all other departments and influences the company’s overall performance. But even to this day, the management of logistics here in the Philippines is still being processed manually according to the latest white paper published by YCP Solidiance titled “Digitalization in the Philippine Logistics Industry”. This poses a threat to the data security and data integrity of the system which could then lead to many management problems such as, misplacement or lost of records, unreliability of documents, absence of backup files in case disasters, etc. The proponents propose the development of Tech-Trendz Services (Logistics), a web-based service management system that features a centralized network all across every departments in a company. This system solves the key problems about data security and data integrity; it also provides features that will help the user reduce their workloads and time consumed on management process.

The proponents used the agile methodology to break down the development of the system into small task. These small tasks are then arranged based on their importance and priority on several continuous iterations of development cycles that lasts every fortnight called *sprints.* Each sprint is like a small development life cycle as is also follows the basic analysis, design, testing, and implementation procedures. After finishing a sprint, the development team presents it to the project stakeholders for consultation. The stakeholders should be heavily involved during the whole development process, as they provide feedbacks after each delivery of completed sprints for the continuous improvement of the product. These collaboration between the development team and project stakeholders will occur several times on the development process until the product is completed. The proponents found it easier to use this method as it divides what is supposed to be a big project in to smaller task that can be developed with more focus and potential for improvement. The agile method ensures that the final product will be high quality and satisfactory to the clients as their requirements are consulted and implemented all throughout the development process.