

TRAVEL AND TOURS MANAGEMENT SYSTEM: LOGISTICS 1 (PROJECT MANAGEMENT, ASSET MANAGEMENT, WAREHOUSING AND PROCUREMENT) USING BARCODE TRACKING

ABSTRACT

AUTHORS

James Jerald Amenin
Joanna Marie Benigno
Christian Malto
Justine Ordoño

RESEARCH ADVISER

Richelyn A. Villasor

AFFILIATION

Bestlink College of the
Philippines

DISCIPLINE

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The Travel and Tour Management System integrates specialized submodules such as project management, asset management, warehouse management, and procurement to address key operational challenges. By streamlining these areas, the system aims to enhance operational efficiency and service quality, critical factors in distinguishing industry leaders from competitors. In today's fast-paced and demanding travel sector, operational excellence has become a vital source of competitive advantage. The system is designed using a modular approach, with each submodule supporting a specific operational area. The Project Management module streamlines task scheduling, progress monitoring, and resource allocation to ensure effective project execution. The Asset Management module facilitates the proper utilization and maintenance of critical resources such as vehicles and equipment. The Warehouse Management module enhances inventory control and tracking, while the Procurement module improves supplier management and purchasing processes to ensure the timely availability of goods. Both the asset and warehouse modules integrate barcode technology to improve accuracy and efficiency in resource tracking. The system is developed using the Agile methodology, allowing for iterative enhancements based on continuous user feedback. The submodules of the Travel and Tour Management System significantly enhance logistical operations. The Warehouse Management module enables accurate tracking of inventory categories, improving stock control and retrieval efficiency. The Asset Management module boosts operational efficiency and accountability by monitoring the use and condition of essential resources. The Procurement module streamlines supply chain operations through the use of real-time data, supporting more informed and timely decision-making. Additionally, the Project Management module facilitates better coordination and integration of various logistical components, resulting in smoother execution and management of work activities. The Travel and Tour Management System efficiently integrates project management, asset management, warehousing, and procurement submodules to maximize operational effectiveness and address the complex challenges of the tourism industry. In essence, the system promotes transparency and delivers efficient service through a centralized, automated approach that eliminates redundant processes. Future enhancements may include the integration of statistical analysis tools to forecast operational demands, optimize procedures, and provide organizations with a strategic advantage in an increasingly competitive and dynamic business environment.

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