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# MOBILE WAREHOUSE MANAGEMENT: AN ERP INTEGRATERD APPLICATIONS FOR IMPROVING INVENTORY ACCURACY AND ORDER FULFILLMENT

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## ABSTRACT

*Warehouse management plays a vital role in ensuring efficient inventory control, stock management, and timely order fulfillment within modern business organizations. Traditional warehouse operations often depend on manual processes and limited system integration, resulting in inventory discrepancies, delays in order processing, and reduced operational efficiency. This project focuses on the development of a Mobile Warehouse Management System integrated with an Enterprise Resource Planning (ERP) platform to enhance inventory accuracy and optimize warehouse operations. The proposed mobile application enables warehouse personnel to perform essential functions such as inventory tracking, stock updates, order picking, barcode scanning, and order processing through mobile devices. Integration with the ERP system ensures real-time synchronization of inventory data, providing accurate stock visibility and facilitating faster decision-making. The system minimizes human errors, improves operational productivity, enhances data accessibility, and strengthens coordination between warehouse activities and other organizational departments. By leveraging mobile technology and ERP integration, the proposed solution contributes to improved warehouse efficiency, reduced operational costs, and enhanced customer satisfaction.*

*Keywords: Warehouse Management System (WMS)[1], Enterprise Resource Planning (ERP)[2], Mobile Application[3], Inventory Management[4], Real-Time Data Synchronization[5], Order Fulfillment[6], Inventory Tracking[7], Warehouse Automation[8].*