Title : Web Application for Managing Ornament and Scrap Gold Inventory

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ABSTRACT

This project aims to develop a web-based application for managing ornament and scrap gold inventory in gold shop operations. The system was initiated to address limitations of manual record-keeping, which often results in delays, data redundancy, inaccuracies, and reduced transparency in operational processes.

The proposed system integrates key business functions into a unified platform, including back-office inventory management, gold melting and percentage adjustment, workshop tracking, and loan–sale–return transactions. The application is designed with structured data management, role-based access control (RBAC), and an approval workflow to enhance operational transparency, minimize risks, and ensure data integrity.

The implementation of real-time tracking and centralized data processing improves auditability and reduces human error associated with manual documentation. As a result, the system supports more accurate reporting and enables more effective and data-driven business decision-making.

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