

ABSTRACT

Human resource management and asset management in a company require an integrated system to enhance work efficiency and effectiveness. PT. Daekyung Indah Heavy Industry currently uses a manual payroll management system that risks document damage, loss, or improper archiving of critical documents. Moreover, the room booking process is conducted manually through verbal communication without a recording system, which can result in scheduling conflicts and inefficient facility utilization. This research develops a web-based Human Resource Management System (HRMS) user interface focused on room booking and payroll management features using the Next.js framework. The system development implements the ICONIX Process method as a software development framework to ensure the interface meets user requirements. The system is developed with three user roles: employees, HRGA, and admin, and is equipped with authentication features for secure access. Testing was conducted using black box testing methods to validate system functionality and usability testing to measure ease of use. The usability testing results showed a system feasibility level of 87.76% in the highly feasible category, indicating that the system has an easily comprehensible interface that meets user needs. The test results demonstrate that the system has fulfilled functional requirements and can be effectively utilized by users.

Keywords : user interface, ICONIX Process, HRMS, room booking, payslip management