



SMART REPORTING DOCUMENTATION: OPTIMIZED REPORTING AND WORKFLOW MANAGEMENT SYSTEM WITH AI & GIS INTEGRATION

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SYSTEM WITH AI & GIS INTEGRATION

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ABSTRACT

This study develops a web-based system designed to digitize and automate critical processes within the legislative faction environment, specifically those involving the roles of Experts, Office Heads, and Admins. The system aims to replace time-consuming and error-prone manual workflows, thereby increasing efficiency in document management, project tracking, attendance monitoring, and new staff orientation.

The system aims to integrate Artificial Intelligence (AI), automation, and Geographic Information Systems (GIS) technologies to support a modern and structured workflow. From a subject perspective, users across various roles are provided with an intuitive and user-friendly interface, featuring well-structured menus, buttons, and forms to facilitate smooth navigation.

Key features include an interactive dashboard, real-time attendance tracking, automated report generation, and a role-based approval mechanism. To ensure optimal performance, the system is designed to run smoothly on computers with the latest processors, a minimum of 8GB of RAM, and a minimum of 256GB of SSD storage to efficiently manage database operations, system logs, and report archives. Overall, this system serves as an integrated digital solution that improves efficiency, accountability, and collaboration between stakeholders within the faction's organizational structure.

Keywords: Management system, artificial intelligence, GIS, automation, Collaboration

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