

## GROUP IV

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NAMES	REG NUMBERS
BANA NEZA Romeo Brice	222008439
GASASIRA James	222012473
MUTESI Liliane	222015495

# Digital Procurement Aggregation & Market Intelligence System (DPAMIS)

## ABSTRACT

The Rwanda National Police (RNP) is responsible for maintaining public safety across the country's five regions, operating through multiple administrative levels, including stations, district units, regional commands, and specialized units. Currently, procurement of essential agricultural food resources—such as Irish potatoes, sweet potatoes, cassava, beans, and tomatoes—is conducted independently at each administrative level. This fragmented procurement process leads to significant challenges: identical products are purchased at different prices across regions, bargaining power is reduced, budget inefficiencies occur, and decision-makers at higher levels lack visibility into aggregated demand and supply needs.

The **Digital Procurement Aggregation & Market Intelligence System (DPAMIS)** is proposed to address these inefficiencies by centralizing procurement requests at the district level, aggregating them at the national headquarters, and providing actionable market intelligence to optimize supplier negotiations. The system allows district/unit administrators to consolidate requests from all stations and special units in district location, while HQ administrators can monitor, approve, and plan procurement efficiently by procurement office. DPAMIS will generate comprehensive weekly, monthly, and annual reports, providing transparency, enabling evidence-based decision-making, and promoting cost savings for the Rwanda National Police.

By focusing exclusively on agricultural raw commodities not available in existing forces shops, the system ensures that procurement is standardized, coordinated, and economically optimized. Ultimately, the system strengthens operational efficiency, supports budget optimization, and enhances accountability within the RNP's supply chain, providing a model that could be extended to other national security institutions.

