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Success Story

AI-Powered Solid Waste Management for European Municipal Corporation

About the Client

A prominent Municipal Corporation in Europe, responsible for various civic services, including crucial solid waste management. Efficient waste collection and maintaining clean city streets were pivotal to ensure high citizen satisfaction and a positive service rating.

Business Problem

The Municipal Corporation struggled with timely solid waste management as diverse waste types cluttered streets. Multiple agencies handled collection, but coordination was manual and slow, causing delays that hurt service ratings and citizen satisfaction, demanding an innovative solution.

Solution Offered

We developed an AI-powered Complaint Management platform to streamline waste reporting and resolution:

➤ **Citizen Engagement:** A user-friendly portal lets citizens report waste by uploading images and descriptions.

➤ **AI-Powered Insights:** Computer Vision and Deep Learning classify waste types and analyze complaint context.

➤ **Ticket Generation:** AI-generated insights assign tickets to the right waste agencies, replacing manual coordination.

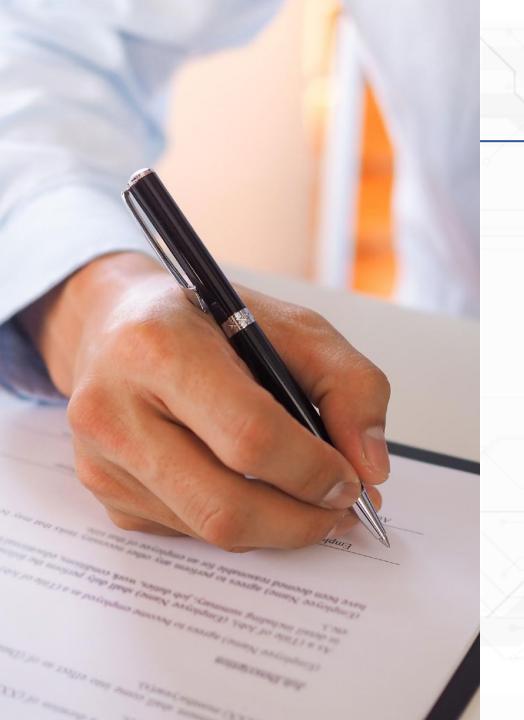SHYENA TECH YARNS | JFS TECHNOLOGIES ACCELERATE YOUR BUSINESS

Outcome

The AI-powered platform delivered key benefits:

➤ **Efficient Waste Collection:** Automated categorization and ticketing sped up waste removal, keeping streets clean.

➤ **Citizen Satisfaction:** Faster complaint resolution boosted public approval and service ratings.

➤ **Operational Efficiency:** Streamlined coordination reduced delays and optimized resource use.

Conclusion

The implementation of the AI-Powered Solid Waste Management platform showcases how technology can enhance civic services and elevate citizen satisfaction. By leveraging AI's capabilities in image recognition and data processing, the Municipal Corporation transformed waste management from a laborious task into an efficient, citizen-centric process. This successful integration of technology and public services serves as a model for municipalities striving to improve urban living standards and maintain the cleanliness of their cities.

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