



Universidad Nacional Autónoma de México

FACULTAD DE INGENIERÍA

Project

“SOCIAL RESPONSIBILITY”

Description

“Explore innovative solutions to address societal challenges, fostering community growth and promoting ethical values for a better tomorrow.”

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Introduction

In this document, we propose to develop an innovative technological solution to address the challenge of food scarcity and waste in Mexico. The proposal involves creating a digital platform that connects surplus food with those who need it most, utilizing technology to optimize distribution and promote sustainable practices.

0.1. Project Objectives

- Develop an intuitive and accessible web application that connects food providers (such as traders and producers) with end consumers and charitable organizations.
- Implement monitoring sensors in supply and storage centers to collect real-time data on the quality and quantity of available food.
- Integrate artificial intelligence to analyze historical and real-time data, predict supply and demand patterns, and optimize food distribution to minimize waste.
- Establish incentives and reward programs to encourage active participation of providers and consumers on the platform, thereby promoting sustainable practices and an enriching user experience.

In Mexico, there exists a food paradox where, despite the availability of surplus food in certain areas, many communities struggle to access sufficient and nutritious meals. This situation leads to considerable food waste and unequal distribution of essential food resources.

This project proposes an innovative solution to address this issue by developing a digital platform that effectively connects food providers with consumers and charitable organizations.



The implementation of this solution is not only feasible from a technological standpoint but also presents a unique opportunity for significant social impact.

The implementation of this advanced technological solution will significantly contribute to reducing food waste by improving distribution efficiency and enabling more equitable access to fresh and nutritious food in underserved communities. This initiative stands out for its user-centered approach, offering a unique experience that promotes participation and engagement from all stakeholders involved.

0.2. Conclusions

In summary, this project proposes an innovative and technological solution to address the challenges of food scarcity and waste in Mexico. By effectively connecting supply with demand using advanced digital tools and promoting an engaging user experience, we can advance towards a more equitable, sustainable, and efficient food system.

References

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