Pitch Deck: MealMender

Link:

<u>Meet the Team: MealMender</u>

Welcome to MealMender, where innovation meets sustainability. We're a passionate group of engineering students from the Universidad Nacional Autónoma de México (UNAM), driven by a shared vision to tackle one of the most pressing issues in Mexico — food waste.

At MealMender, we're not just engineers; we're problem solvers committed to making a difference. Our project harnesses the power of technology to predict food demand accurately and redistribute surplus food effectively, ensuring that it reaches those in need instead of going to waste. By doing this, we aim to revolutionize the food industry, making it more sustainable and efficient.

Understanding the Problem:

When many of us hear about food wastage, we typically picture spoiled products. However, a significant portion of perfectly good food is discarded by vendors simply because it exceeds what they can sell. This realization sparked the creation of MealMender.

Our Dual Approach to Minimizing Food Waste:

MealMender tackles food wastage in two innovative ways:

1. **Demand Prediction** We empower food vendors to utilize our predictive analytics to better estimate demand, reducing the likelihood of over-purchasing and, consequently, waste.
2. **IoT Monitoring**: Our IoT solution monitors store conditions, alerting vendors to sudden changes like heat waves or increased humidity that can accelerate food spoilage. This not only extends the life of the food but also prevents excess buying.

Benefits for Consumers:

On the consumer side, MealMender provides a map highlighting nearby stores offering discounts on surplus food that would otherwise be discarded. This feature ensures that consumers benefit from reduced prices while contributing to our mission of drastically reducing food wastage.

Looking Ahead:

As we continue to refine MealMender, our commitment to innovation remains steadfast. Future enhancements will include advanced IoT actuators capable of autonomously adjusting environmental conditions—such as activating fans to cool areas as needed. Additionally, we are dedicated to continually improving our AI algorithms to deliver even more precise food demand predictions, ensuring that our solution stays at the forefront of technological advancements in food sustainability.

Final Thoughts:

"In a world where resources are finite, wasting them is not an option. MealMender is more than a solution; it's a revolution in the making. Together, let's reshape the future of food sustainability."