

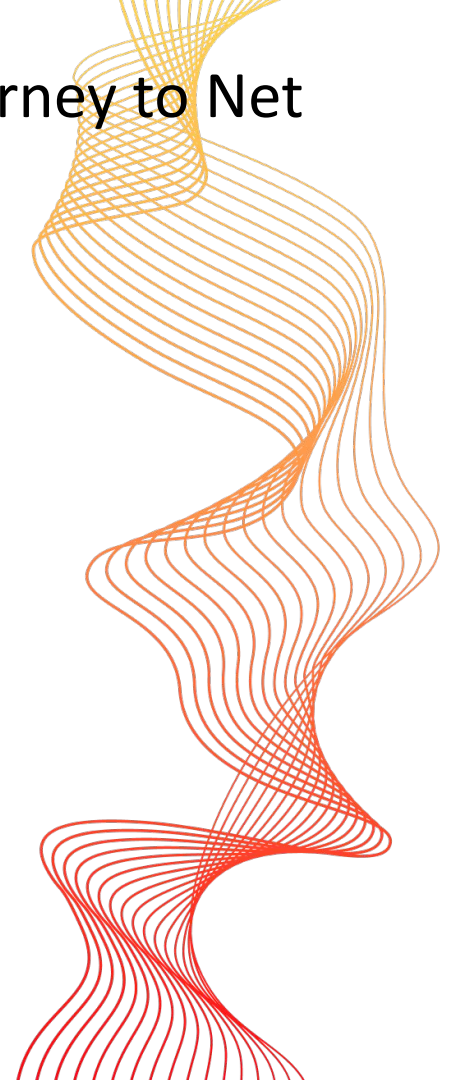


# Supporting Local Restaurants in their Journey to Net Zero - EcoDine

This is a presentation about EcoDine - a sustainable restaurant management system that supports local restaurants in their journey to Net Zero Carbon Emissions. The presentation outlines the features and benefits of EcoDine and its positive impact on the environment and local economy. It also includes information about the business model and scalability of the solution.

Github Link for the app idea sample -

<https://github.com/chandrima0503/ecoDiner>





## Current Problems

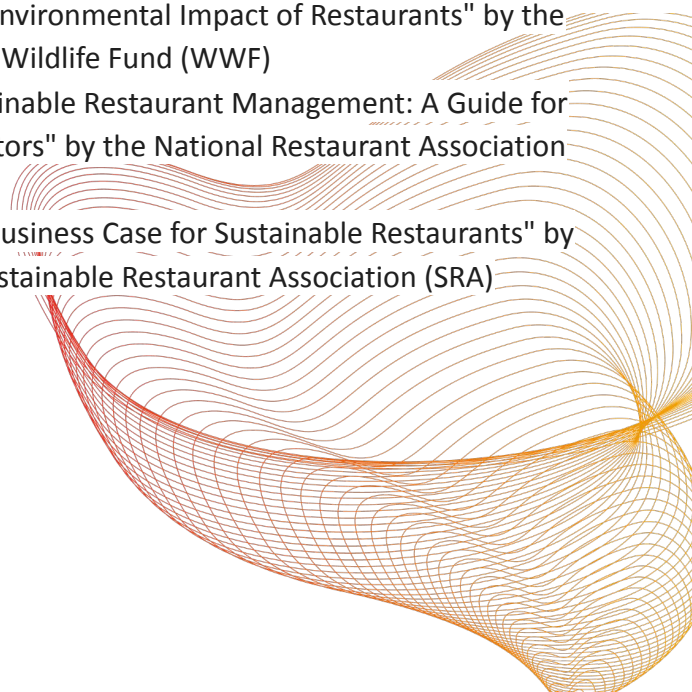
- High upfront costs
- Lack of knowledge and expertise
- Lack of government support
- Competition from unsustainable restaurants

## How is my app different?

- Specifically designed for small businesses
- It provides a comprehensive suite of sustainability features
- It is easy to integrate with existing restaurant management

## Papers demonstrating challenges faced by local restaurants

- "The Environmental Impact of Restaurants" by the World Wildlife Fund (WWF)
- "Sustainable Restaurant Management: A Guide for Operators" by the National Restaurant Association (NRA)
- "The Business Case for Sustainable Restaurants" by the Sustainable Restaurant Association (SRA)





# Features

## 1. Carbon Footprint Measurement:

- Integrated carbon footprint calculator to measure and track emissions.
- Real Time data monitoring for energy, water, and waste management.

## 2. Sustainable Menu Planning:

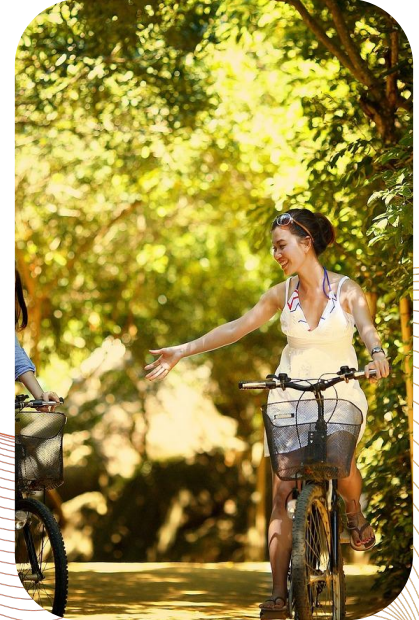
- AI powered ingredient sourcing recommendations based on sustainability criteria.
- Nutritional analysis to encourage eco friendly and healthier menu options.

## 3. Waste Reduction and Recycling:

- Waste management module for efficient recycling and composting practices.
- Inventory management to reduce food waste and optimize ingredient usage.
- Another waste reduction hack could be sensor based smart waste segregator which could segregate waste based on moisture content or weight. - A more IOT based feature but if integrated could reduce errors due to human ignorance.

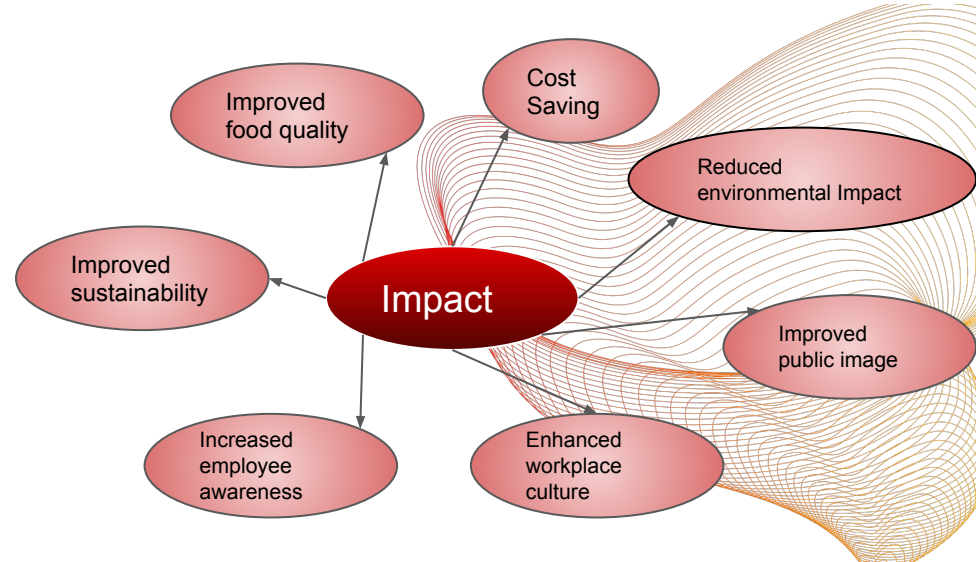
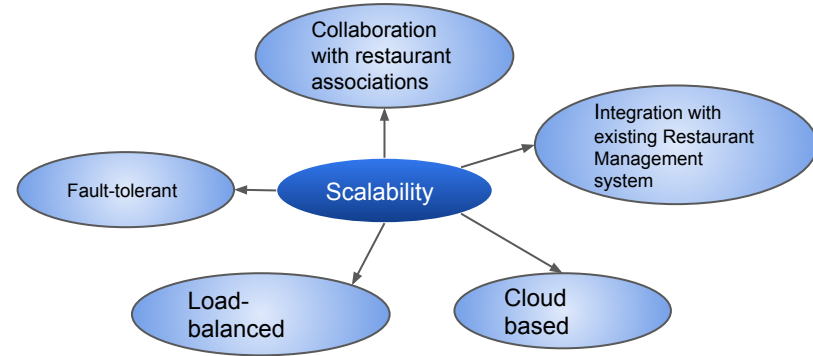
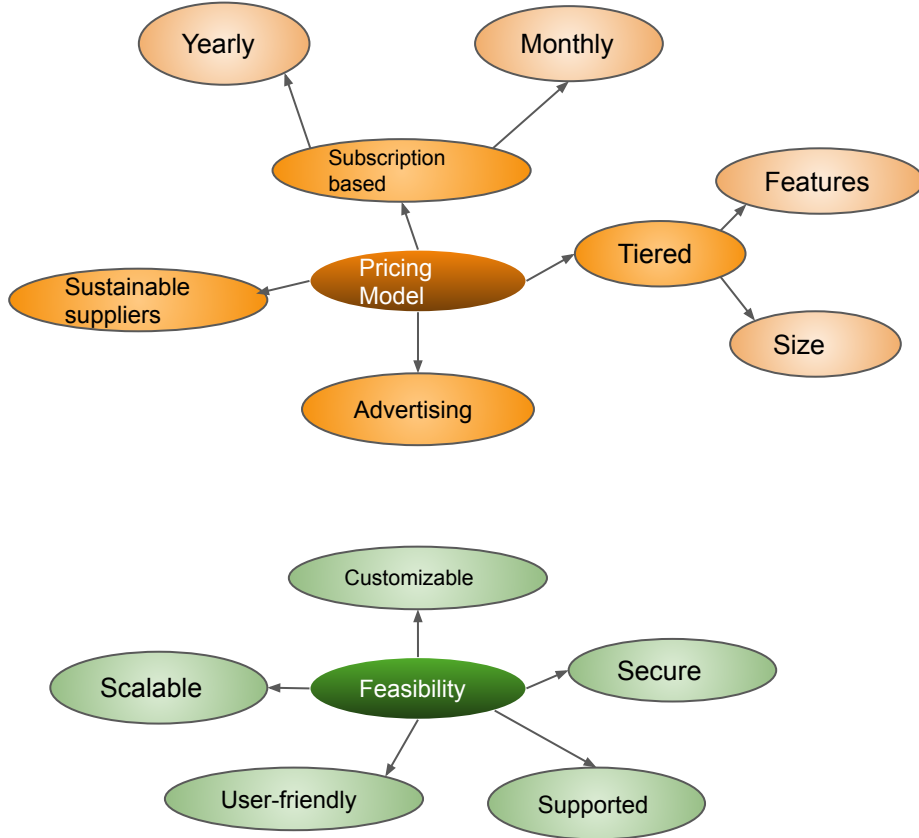
## 4. Employee Training and Engagement:

- Educational resources and training modules on sustainable practices.
- Employee engagement tools to promote sustainability initiatives.





# Business Model





# Architecture

