



**SILVER OAK  
UNIVERSITY**  
EDUCATION TO INNOVATION

**College of Technology (01)**  
**Aditya Silver Oak Institute of Technology**  
**Bachelor of Technology**  
**Department of Information Technology (010)**  
**Zero-West Grocery Store**

**Group Members**

**Internal Faculty Guide**

- |                              |                 |
|------------------------------|-----------------|
| 1. <b>Khushal Thummar</b>    | [2302031000111] |
| 2. <b>Kachhadiya Jash</b>    | [2302031000032] |
| 3. <b>Koshiya Smit</b>       | [2302031000036] |
| 4. <b>Parmar Jaydeep</b>     | [2302031000055] |
| 5. <b>Rathod Ravirajsinh</b> | [2302031000092] |
| 6. <b>Suthar Zeel</b>        | [2302031000107] |
| 7. <b>Zala Rudrarajsinh</b>  | [2302031000122] |

**Prof. Parvin Bloch**

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# **Abstract**

- . The Zero-Waste Grocery Store project aims to reduce food and packaging waste by implementing a sustainable and customer-centric approach to grocery shopping.**
- . The project involves designing a store that utilizes reusable bins and dispensers to store goods and groceries, reducing the need for single-use plastics.**
- . Additionally, the store will offer discounts for customers who bring their reusable containers and bags, and will donate unsold perishable items to local soup kitchens and those in need.**

# Introduction

**The Zero-Waste Grocery Store project is a response to the growing concern of food and packaging waste in the United States.**

**According to the United States Environmental Protection Agency (EPA), food waste accounts for nearly 25% of municipal solid waste, with the majority of it ending up in landfills.**

**This project aims to provide a sustainable solution to this problem by designing a grocery store that minimizes waste and promotes environmentally friendly practices.**

# Literature Survey/Research

**The concept of zero-waste grocery stores is not new, and several studies have explored the benefits and challenges of implementing such a model.**

**Research has shown that consumers are willing to pay a premium for sustainable products and services, and that businesses can benefit from reducing waste and increasing efficiency.**

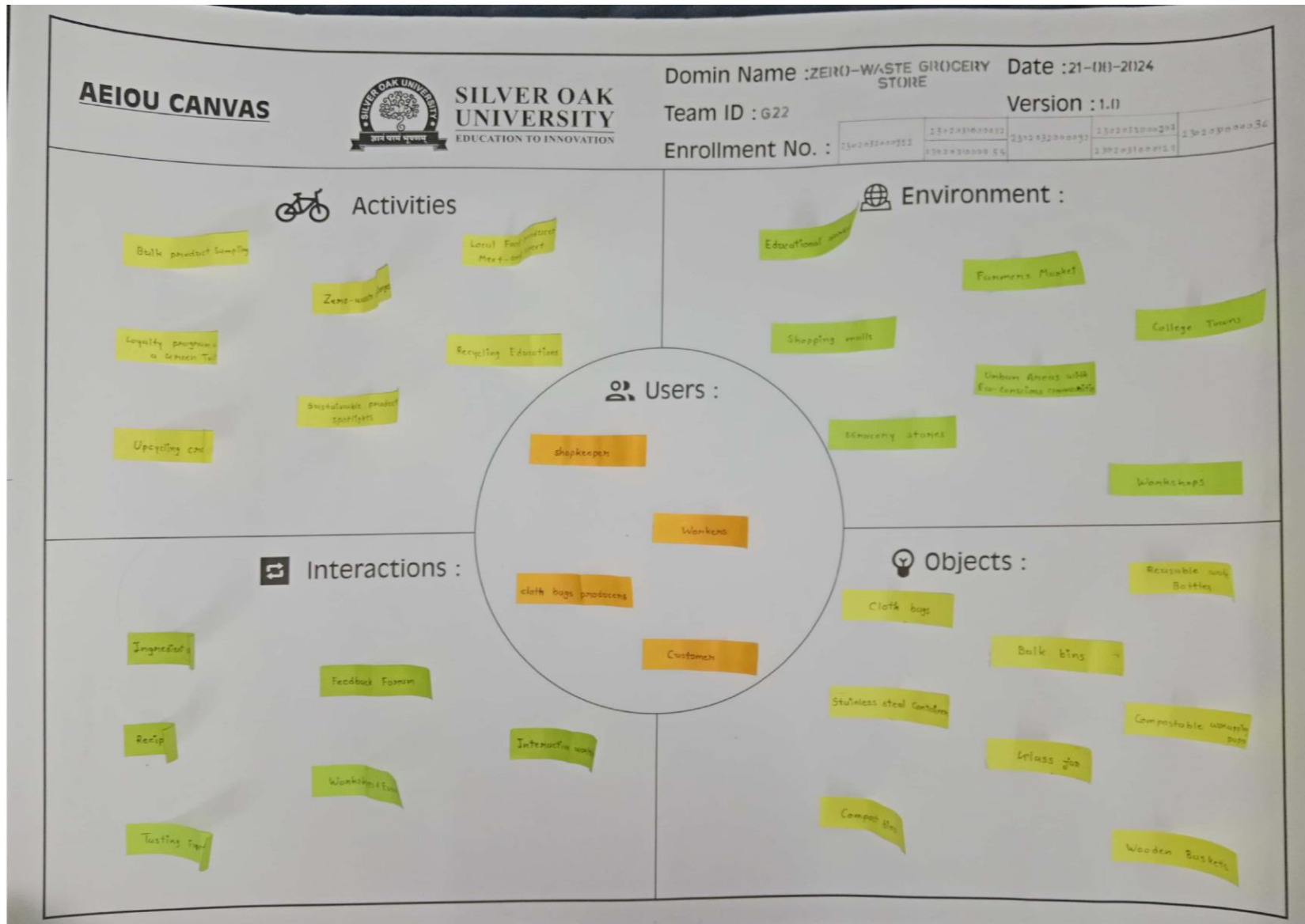
**However, there are also challenges associated with implementing a zero-waste model, including the need for significant changes to supply chain management and logistics.**

# Proposed Work

The proposed work for the Zero-Waste Grocery Store project involves several key components, including:

- Designing a store layout that maximizes efficiency and minimizes waste.
- Implementing a reusable bin and dispenser system for storing goods and groceries.
- Developing a system for tracking and managing Inventory to reduce waste.
- Creating a customer education program to promote sustainable practices.

# AEIOU Canvas



# Work carried out till date

Task	Status	Timeline
Literature review	Completed	2 Weeks
Store layout desing	In Progress	4 Weeks
Reusable bin and dispenser system desing	In Progress	4 Weeks
Customer education program developepment	Not started	6 Weeks



# Future Work & Conclusion

**The future work for the Zero-Waste Grocery Store project involves several key components, including:**

- **Implementing the reusable bin and dispenser system.**
  - **Developing a system for tracking and managing inventory.**
  - **Creating a customer education program.**
- **The Zero-waste grocery store projects has the potential to make a significant impact on reducing food and packaging waste in the united states.**

# References

Google:- [www.Google.com](http://www.Google.com)

Youtube :- [www.youtube.com](http://www.youtube.com)

Grocery Store :-

Ramdev Grocery Store Navarngpura,

Krishna Mart Commerce six road,

D'mart ,Ranip

Thank You..!

Any Questions?