

# FOOD SURPLUS DISTRIBUTION PLATFORM

Connecting surplus food providers with NGOs and shelters  
in real time

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# THE PROBLEM

- Large quantities of food are wasted in weddings, college fests, and functions due to uncertain turnout
- NGOs and shelters often lack food on the same day
- No structured platform to connect event organizers with NGOs in real-time



# Why Focus on Events?

- Events generate the highest surplus food in short time
- Food is prepared in bulk, making distribution easier
- Events happen regularly in colleges, weddings, functions
- Strong opportunity to reduce wastage quickly

# OUR SOLUTION

A Food Surplus Distribution Platform (Web +

Mobile App) to:

- Enable providers to post surplus food details instantly
- Notify NGOs nearby in real-time
- Facilitate quick claim, pickup, and distribution
- Track and analyze food saved and shared

Provider

Platform

NGO

People in need

# Why NGOs Need Our Solution?

“40% of food from large events goes to waste, while NGOs struggle daily to feed millions.”

- Over 7.5 crore people fed by NGOs every year in India
- Shelter homes & orphanages rely heavily on NGO support
- Even 10 wasted meals → 7 could feed the needy



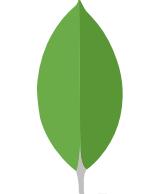
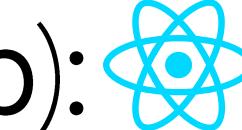
# **CURRENT**

- 1.Surplus food often discarded
- 2.NGOs depend on calls/WhatsApp
- 3.No records or analytics
- 4.Delays in food collection due to lack of coordination
- 5.Limited reach; some needy people or shelters miss out

# **PROPOSED**

- 1.Providers post food details instantly
- 2.NGOs receive real-time alerts
- 3.Pickup and distribution confirmed in app
- 4.Instant coordination reduces delays in food collection
- 5.Data-driven reports on food saved

# TECH STACK

- Backend:  + Express.js
- Database: MongoDB Atlas 
- Real-Time Notifications: Socket.io
- Authentication: JWT
- Frontend (Web):  React + TailwindCSS
- Mobile App:  + FCM



# IMPACT

## Food Providers

- Reduce waste by sharing surplus food
- Contribute to social responsibility

## NGOs & Shelters

- Easy, reliable access to daily food needs

## Community

- Reduce hunger: Surplus food reaches those in need, directly lowering food insecurity.
- Strengthen social ties: Encourages collaboration between providers, NGOs.
- Promote sustainability: Minimizes food waste.



# CONCLUSION

- Reduced wastage: Ensures surplus food safely reaches those in need instead of being discarded..

- Sustainable community development: Supports long-term ethical practices and strengthens community welfare.

- Increased social impact: Empowers providers and NGOs to make a meaningful difference in the community.

- Environmental impact: Minimizes food waste, promoting sustainability and eco-friendly practices.

**THANK YOU**