



Basic Details of the Team And Problem Statement

ByteVerse

Problem Statement: Surplus food is wasted daily due to poor connectivity between donors and the needy — we aim to bridge this critical gap.

Team Name: Pixel Phantoms

Institute Name: National Institute of Technology, Patna

Theme Name: Food Quality and Hunger

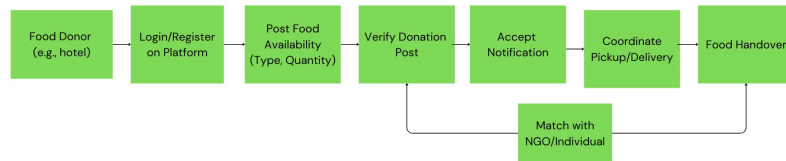


Idea/Approach Details

- **Sustain Bite** is a web-based platform connecting food donors (with surplus food like hotels) with NGOs and individuals in need, aiming to reduce food waste and combat hunger.
- Reduces food waste and fights hunger by facilitating real-time food donations.
- Donors can list surplus food in real-time, including quantity, pictures, and expiration details.
- Recipients can browse and get available donations based on their needs.

Sustain Bite

Platform connecting food donors with NGOs and individuals in need to reduce food wastage and combat hunger.



Technology stack used:

- Next.js
- React
- Tailwind CSS
- Typescript
- MongoDB



Idea/Approach Details

Use Case: Sustain Bite in Action

- **Food Donors:** Restaurants, hostels, etc. often have extra food left after meals/events. Through Sustain Bite, they can quickly list available food with details like quantity and type.
- **NGOs & Distributors:** Verified NGOs receive real-time alerts about nearby surplus food and can accept requests based on their capacity.
- **Smart Matching:** The platform matches donors and NGOs based on location and needs, ensuring timely pickup and distribution.
- **Example:** A hostel uploads 80 leftover meal boxes. A nearby NGO accepts the request, collects the food, and provides it to people in need the same day.
- **Impact:** Sustain Bite helps reduce food waste, supports food-insecure communities, and encourages social responsibility among organizations through traceable and efficient food sharing.

Dependencies :

- Leaflet - base library for using maps
- Swiper - for swipeable sliders
- Next - core framework
- MongoDB - database management
- React - core react libraries

Show Stopper :

The failure of real-time location-based matching or communication between NGOs and donors is the biggest show-stopper. Food collection could be delayed in the absence of prompt connections, dismissing the platform's main goal.



Team Member Details

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