DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

# PROJECTPROPOSAL

## 1. Project Title: - Food Waste Tracking

## 2. Project Scope: -

Battling food waste while nourishing communities – that's the ambition behind this project: developing a mobile app or website bridging the gap between event organizers with surplus food and NGOs dedicated to food security.

Imagine leftover delicacies from weddings, conferences, or concerts finding a new purpose instead of ending up in landfills. Our app empowers event organizers to easily list their surplus food – specifying type, quantity, and location – while connecting them with relevant NGOs actively seeking food donations. Secure chat features facilitate seamless communication, aiding in arranging pickups and deliveries.

This isn't just about convenience; it's about impact. We envision tracking the volume of food diverted from landfills, translating it into the number of meals provided and the positive environmental contribution in terms of CO2 reduction. User engagement metrics will tell us how effectively we connect these entities, and user satisfaction will guide our continuous improvement.

But the vision doesn't stop there. We plan to integrate an advanced matching algorithm for smarter food allocation, real-time food tracking for transparent coordination, and even amplification of elements to boost user engagement. Educational resources and a community forum within the app can further raise awareness and foster collaboration.

Looking ahead, potential subscription models or partnerships could ensure financial sustainability, allowing us to expand geographically and to diverse event types. Ultimately, this project isn't just an app; it's a movement towards a more responsible and sustainable food ecosystem, where leftover food becomes a bridge to nourishing communities and reducing waste.

## 3. Requirements: -

* Software Requirements

1. Java/flutter

2IOT

3.SQl

4.BLOCKCHAIN

5. FIGMA

**STUDENTS DETAILS**

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| --- | --- | --- |
| **Name** | **UID** | **Signature** |
| Punit Gupta | 21BCG1005 |  |

**APPROVAL AND AUTHORITY TO PROCEED**

We approve the project as described above, and authorize the team to proceed.

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| **Name** | **Title** | **Signature**  **(With Date)** |
| Mr. Surendra Chauhan | Food To Good-Flow |  |