

Hackathon Problem Statement: Trichy Fresh Connect

Theme: SDG 12 – Responsible Consumption & Production

Background

In Trichy, local organic farmers and home gardeners often face challenges in reaching nearby consumers directly. Meanwhile, consumers want fresher, healthier produce without relying on long supply chains. A simple digital bridge between producers and buyers can promote sustainable consumption, reduce waste, and support the local economy.

The Challenge

Build a **web platform prototype** called **Trichy Fresh Connect** that connects **local producers** with **consumers**.

- **Producers (Farmers/Home Gardeners)** should be able to:
 - Post available produce (e.g., “10 kgs of Spinach available in Srirangam”).
 - Include details: produce name, quantity, location, and contact information.
 - Edit or remove their listings when stock changes.
- **Consumers (Buyers)** should be able to:
 - Browse a searchable list of available produce.
 - Filter listings by location (e.g., neighborhood).
 - View detailed information and contact producers directly.

Requirements

- **Core Features:** CRUD functionality (Create, Read, Update, Delete).
- **Views:** Separate, clean interfaces for Producers and Consumers.
- **Database:** Use any backend of choice (Firebase, Supabase, MongoDB, etc.).
- **Focus:** A functional working prototype demonstrating the concept within **6 hours**.

Goal

Deliver a **minimal but functional platform** that empowers local farmers and gardeners to share their produce with nearby consumers — fostering responsible consumption and reducing the gap between local supply and demand.