



Cold Storage Information System

Firozabad District Administration Uttar Pradesh



An Initiative to Support Farmers to book cold storage spaces for their agricultural produce



Cold Storage Information System (CSIS)
District Administration Firozabad,
Government of Uttar Pradesh

Firozabad is a city known for its glass industry and agricultural produce Potato. The city has a significant number of cold storage facilities to store perishable goods like potato's and other produce.

Farmers in Firozabad often face challenges due to the unavailability of cold storage space during peak harvest season, leading to significant losses, as they are unable to store their produce and are forced to sell them at lower prices. Additionally, sometimes due to inefficient management in cold storages, the stored produce often gets spoiled, leading to further losses for farmers.

Cold storage owners miss out on potential business opportunities due to a disorganized sector, leading to a loss of revenue.

The district administration lacks proper oversight of the cold storage management process, leading to challenges in governance.

Problem of storage charge and comparatively less market price. Thus, a digital solution that allows farmers to reserve space in cold storages and provides efficient management for cold storage owners could help address these challenges in Firozabad. It can help prevent losses due to unavailability of space, increase revenue for cold storage owners, improvement in ease of doing business, and improve governance for district administrations.



Problem:

- Significant losses every year for farmers
- Lack of a proper reservation system & Inefficient management
- Absence of data analytics for predictive cold storage management.
- Missing out on potential business opportunities due to disorganized sector
- Lack proper oversight of the cold storage management process, leading to challenges in governance

System Workflow:

- I. Farmer search for the nearest cold storage facility from the mobile app.
- II. Farmer raises a reservation request from their mobile device for this particular cold storage facility, by selecting the crop, date of drop, and quantity.
- III. The reservation request is sent to the cold storage owner who manages the selected facility.
- IV. The cold storage owner reviews the reservation request and accepts it if there is available space.
- V. Once the reservation request is accepted, the farmer receives a status update notification indicating the successful transaction.
- VI. A QR code is generated and sent to the farmer, which they can use as a gate pass at the facility to drop their agricultural produce.
- VII. At the cold storage facility, the farmer presents the QR code at the gate, and it is scanned to verify the reservation.
- VIII. Once verified, the farmer is directed to the assigned storage space, where they can drop off their produce.
- IX. The district administration can monitor the entire process in real-time

Our Strategy

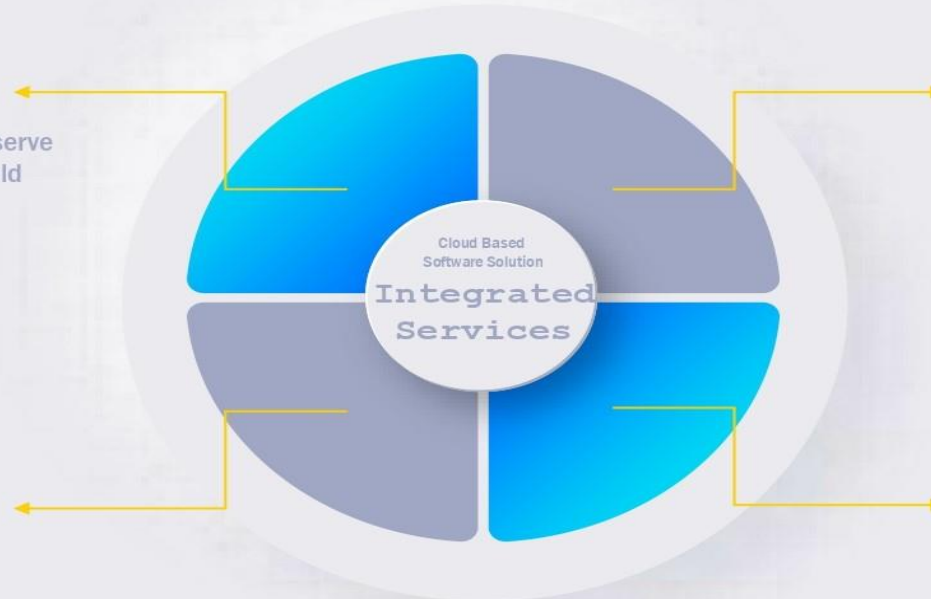
Provide a simple and easy to use online portal, which a farmer, cold storage owner or district administration team can use to without having to contact each one individually.

One Stop Service

Comprehensive digital solution for farmers to reserve cold storage space, efficient management for cold storage owners, and real-time monitoring and oversight for district administration.

Digitalization

Improve **EASE OF DOING BUSINESS**.
Digitize the work flow, considering the current working model



Interactive

Easy-to-use platform for farmers to reserve cold storage space and for cold storage owners to manage their records efficiently

Result Orientated

Deliver guaranteed services

CSIS app is designed to help farmers and traders easily find cold storage facilities near them and reserve space in cold storage to store their agricultural produce in Firozabad district.
