Industrial Ideathon 2025

Department of Industries
Government of NCT of Delhi

DSIIDC
Delhi State Industrial and
Infrastructure Development
Corporation Limited

NSUT
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

NSUT IIF

TEAM TULIP

PS02: Solutions for Ease of Doing Business (EODB)
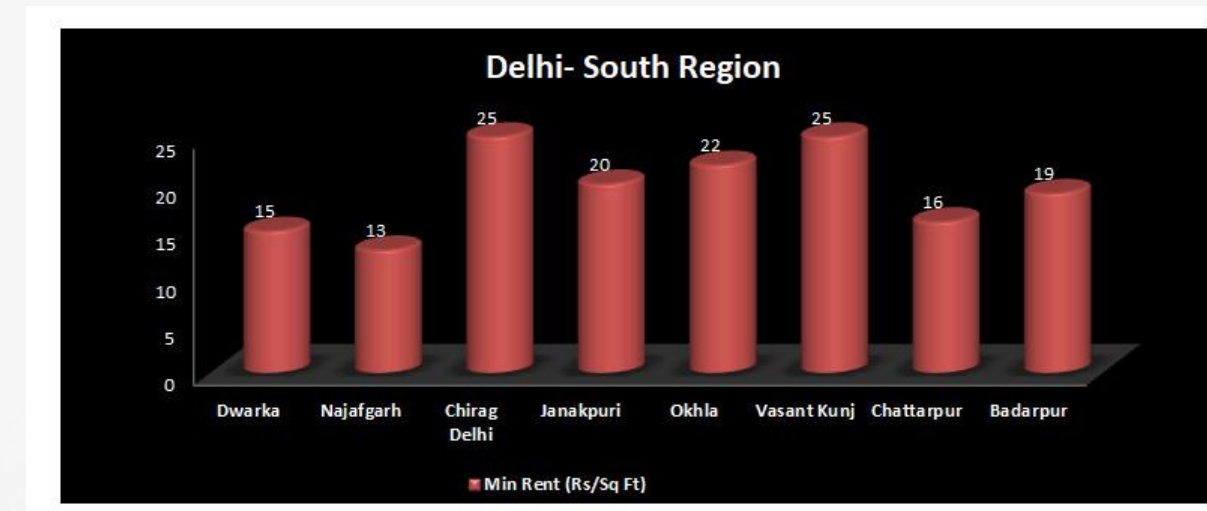
Team Member Details:
1. Aryan Kumar(leader) - Delhi Skill and Entrepreneurship University
2. Chetan Yadav – Delhi Skill and Entrepreneurship University

Easing Inventory for Small Business

Businesses in Delhi, especially startups and small enterprises, face major challenges due to high warehouse rental costs, driven by limited space and growing demand in urban areas like Okhla or Naraina. Even small spaces are often too expensive, consuming a large part of the business budget. For solo entrepreneurs with limited capital, these overheads are hard to manage. Without shared or flexible storage options, they struggle to scale, manage inventory, and meet customer needs—ultimately limiting growth and market competitiveness.

Our Solution Helps Users in the Following Ways:
- Enables small entrepreneurs to allocate **cloud inventory on the go**
- Helps manage inventory in an **efficient, real-time** manner
- Reduces overhead by allowing **shared use of warehouse spaces**
- Offers a **flexible, pay-as-you-use** model for storage
- Tracks inventory with **smart alerts and analytics**
- Builds a trusted ecosystem with **blockchain-backed transparency**
- Optimize traffic and lower delivery time
- Helps land/space owner to rent their space and earn money.

Delhi- South Region — Min Rent (Rs/Sq Ft): Dwarka 15, Najafgarh 13, Chirag Delhi 25, Janakpuri 20, Okhla 22, Vasant Kunj 25, Chattarpur 16, Badarpur 19

Idea/Solution

Our Solution:

SeaBelt App – A Smart Cloud Inventory System for Businesses

Overview:

SeaBelt is a modern cloud-based warehouse management platform designed to help businesses optimize their storage and logistics. This marks the first step toward a one-of-a-kind **Cloud Warehousing** solution.
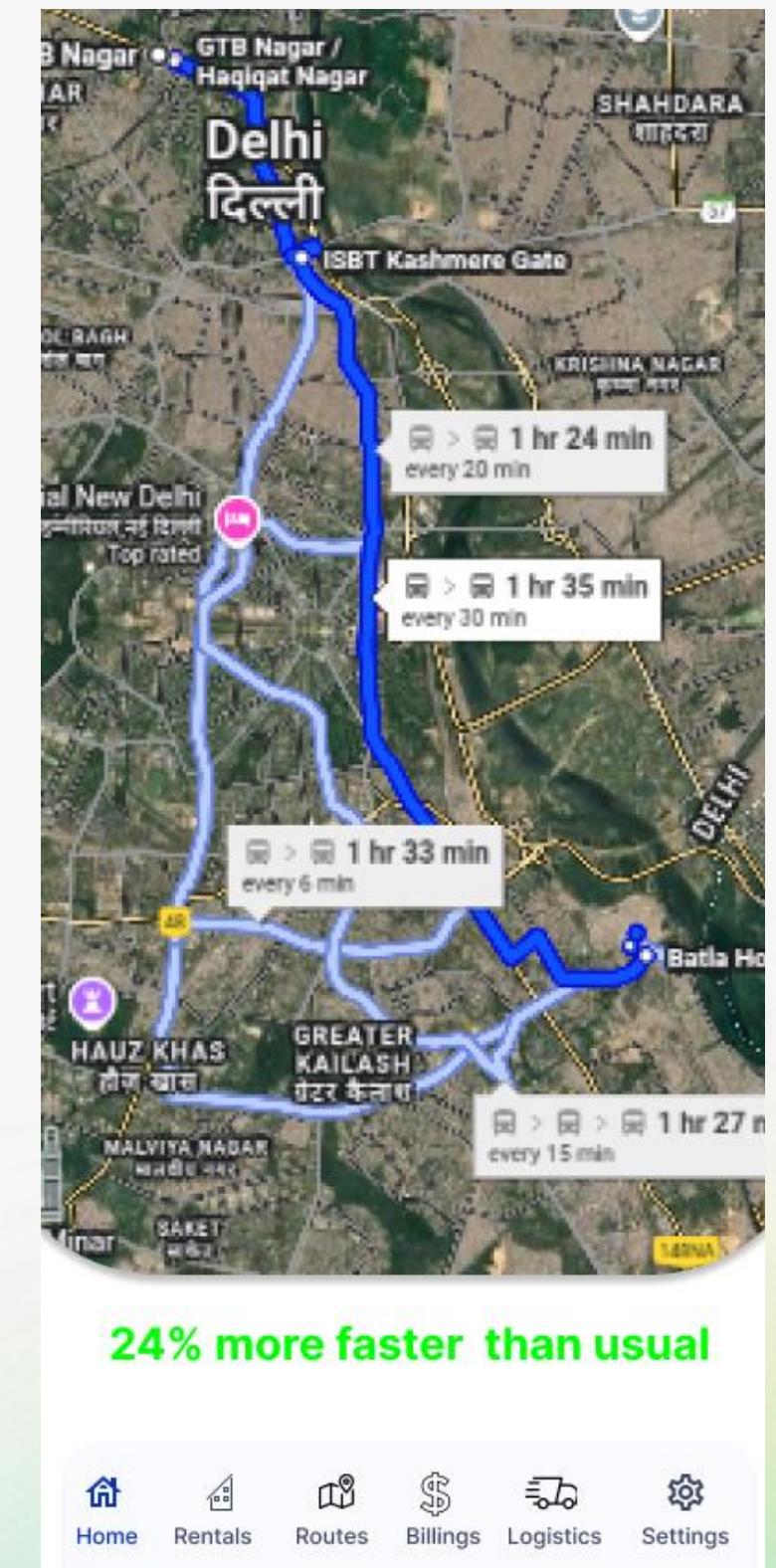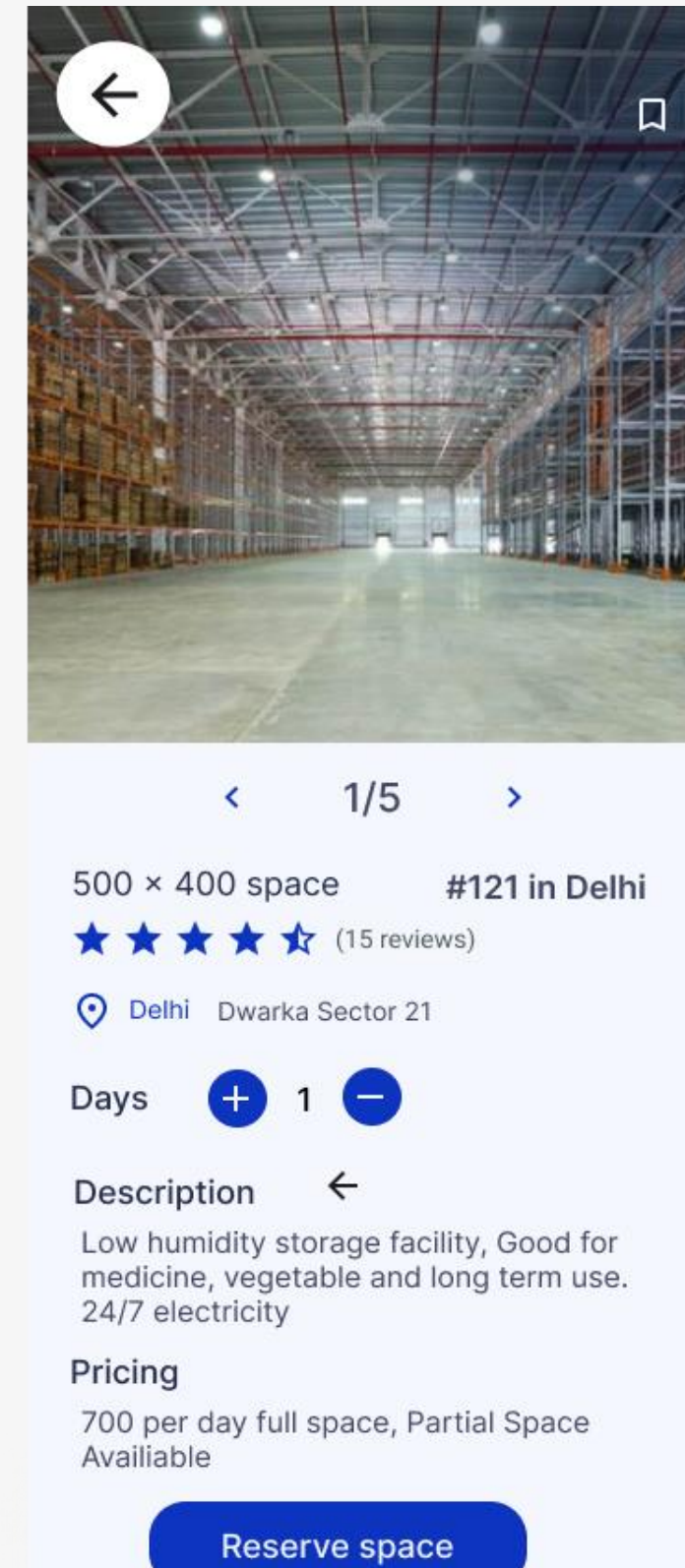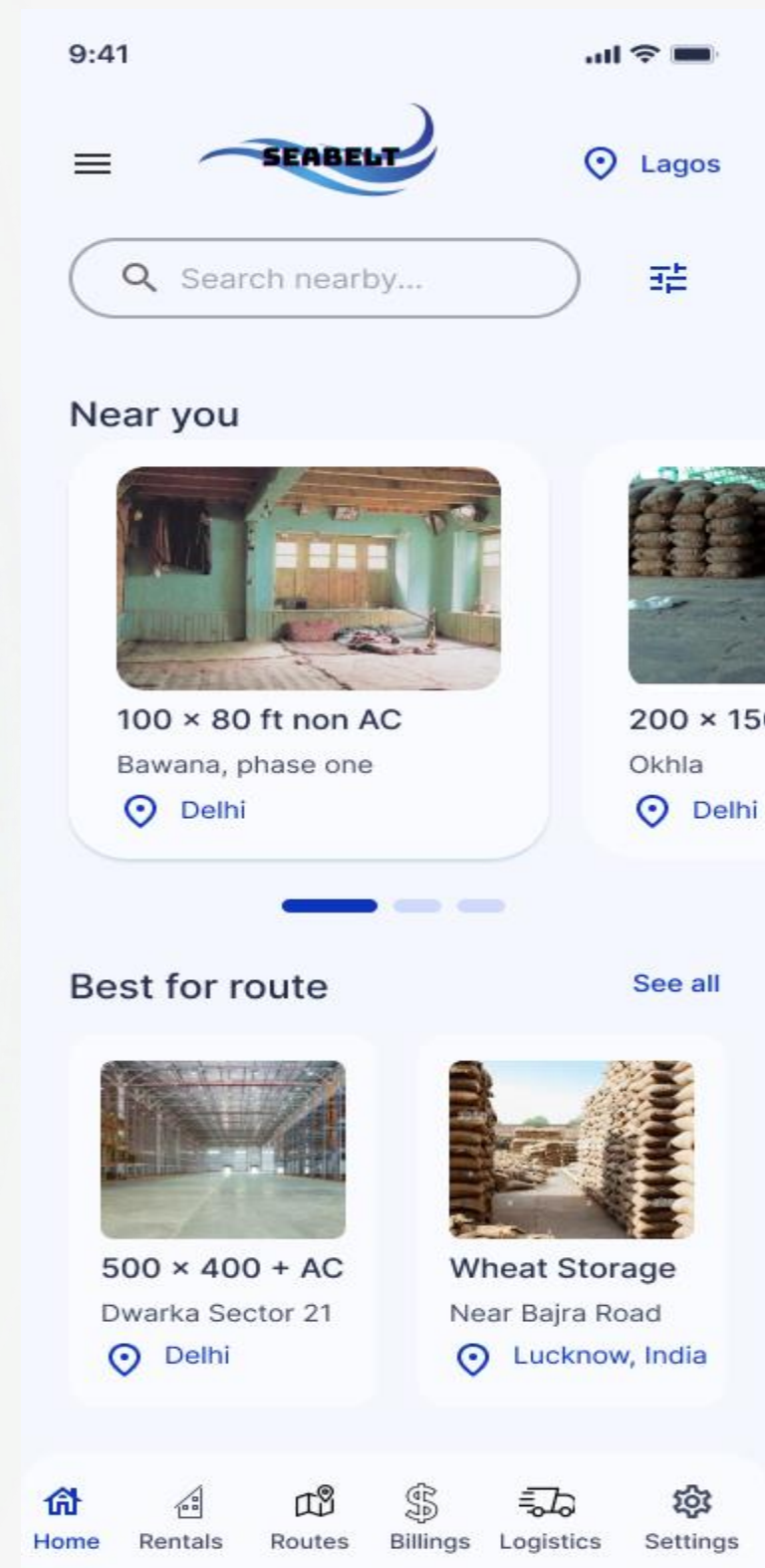
Working:

1. Warehouse owner puts their **Warehouse** or some part of it on the app.

2. A business/buyer buys the inventory for some period of time, also they can increase their profit

3. The shipping company delivery supplies to the allocated inventory.

Additionally the app provides **Artificial Intelligence** features to find the most optimal warehouse location(**Proximity-Based** Distribution) to which shipping company can deliver the goods faster which further can be delivered more efficiently to the end user.

Feasibility & Scalability/Future Aspects

Our app, **SeaBelt**, holds a bold and scalable vision for the future of cloud warehousing. Initially targeted at the industrial zones of Delhi, the platform is designed to be easily scaled across multiple cities and states with minimal adaptation. By integrating Artificial Intelligence and Maps APIs, **SeaBelt** leverages real-time data from traffic, location, and demnd sources to enhance route optimization and intelligent cloud warehouse discovery.

This ensures faster delivery, better inventory placement, and reduced operational costs for businesses. As the platform grows, it can serve as a backbone for a decentralized, tech-driven supply chain across India, empowering MSMEs to compete efficiently in a digital economy.

Key Future insights:
- **AI-Powered Logistics Planning:**
  Uses machine learning models to recommend the best warehouse and route based on traffic, distance, and delivery urgency.
- **Scalable Microservices Architecture:**
  Easily deployable in other cities or industrial hubs with minimal changes, ensuring rapid adoption across regions.
- **Blockchain for Transparency & Trust:**
  Securely records inventory transfers and contract terms, enabling tamper-proof logs and reducing conflict among parties.
- **Maps API for Real-Time Routing:**
  Enables precise geolocation, dynamic traffic analysis, and optimized delivery navigation for both renters and suppliers.

Other Information

Our app has the potential to significantly boost Indian MSMEs and small businesses by removing traditional barriers related to storage and logistics. With **SeaBelt**'s cloud warehousing system, small-scale enterprises can now trade in larger quantities without worrying about inventory space or complex management. This opens up opportunities for solo entrepreneurs and startups to engage in **domestic and international trade**, enabling them to store and deliver products to their customers more efficiently—at reduced costs and faster turnaround times.

Furthermore, the integration of **AI-based route optimization and warehouse recommendation** allows businesses to direct their supplies to the most strategic locations. This not only minimizes delivery time and expenses but also maximizes profitability and operational efficiency. With the future support of **blockchain technology**, SeaBelt ensures secure, transparent, and tamper-proof transactions between all parties involved, creating a seamless and trustworthy supply chain experience.