



Agriculture Solution :

CROP OUTCOME & FARM HUMAN RESOURCE MANAGEMENT

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Challenges :

- Long wait times for grain-selling trucks at marketing yards.
- Difficulty in finding daily farm labor

Objective:

To develop a digital solution that addresses these challenges, improving efficiency in crop sales and labor management.

For Example



you can see in gondal marketing yard there is a long kilometers of line of grains loaded trucks for selling crops . they required to wait days of time .

Crop Selling Problem

- Issue: Farmers and transporters face long wait times, sometimes days, when selling crops at marketing yards.
- Impact: This leads to losses in time, increased operational costs, and potential spoilage of grains.

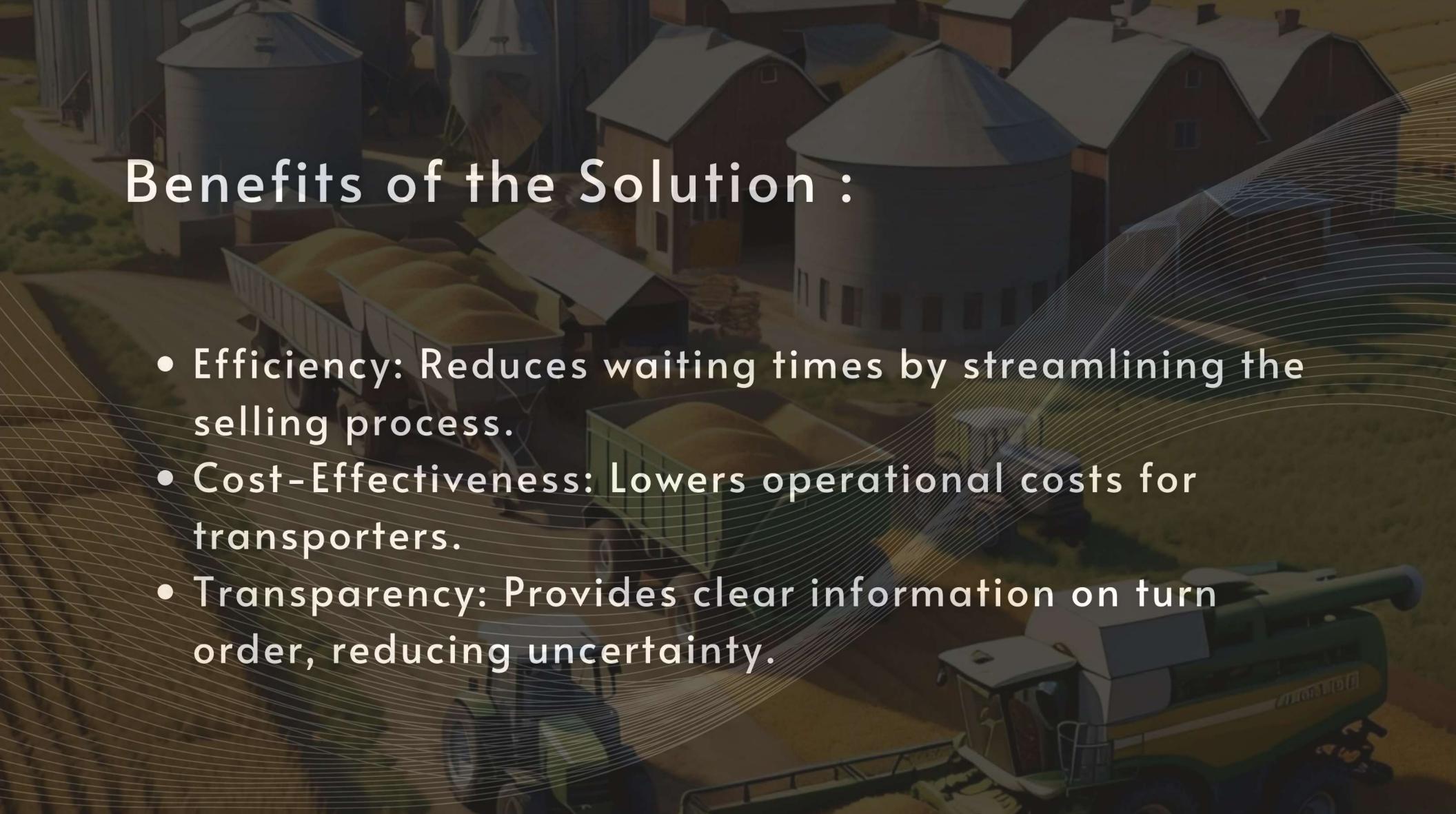
Solution : Pre-Application and Turn Tracking System

Pre-Application for Grain Selling:

- Farmers can apply online for a specific date and time slot to sell their grains.
- The system allocates slots based on availability and expected demand.

Turn Tracking:

- Real-time tracking of the truck's turn.
- Notifications sent to farmers/transporters about their expected turn.



Benefits of the Solution :

- Efficiency: Reduces waiting times by streamlining the selling process.
- Cost-Effectiveness: Lowers operational costs for transporters.
- Transparency: Provides clear information on turn order, reducing uncertainty.



Farm Human Resource Management

Issue: Farm owners struggle to find reliable daily labor, which is crucial for timely agricultural operations.

Impact: Delays in farming activities, lower productivity, and increased stress for farm owners

Solution : Farm Labor Marketplace

Labor Requirement Posting:

- Farm owners can post their daily labor needs, specifying tasks and wage rates.
- Laborers can view available jobs and apply directly.

Matching System:

- The platform matches farm owners with available laborers based on proximity, skills, and wage expectations.

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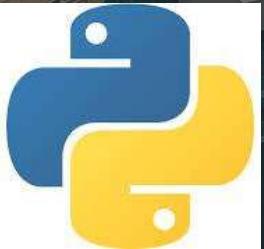
Benefits of the Solution :

- Convenience: Simplifies the process of finding and hiring labor.
- Flexibility: Allows farm owners to adjust labor needs according to daily requirements.
- Empowerment: Provides laborers with more job opportunities and transparency in wage negotiations.

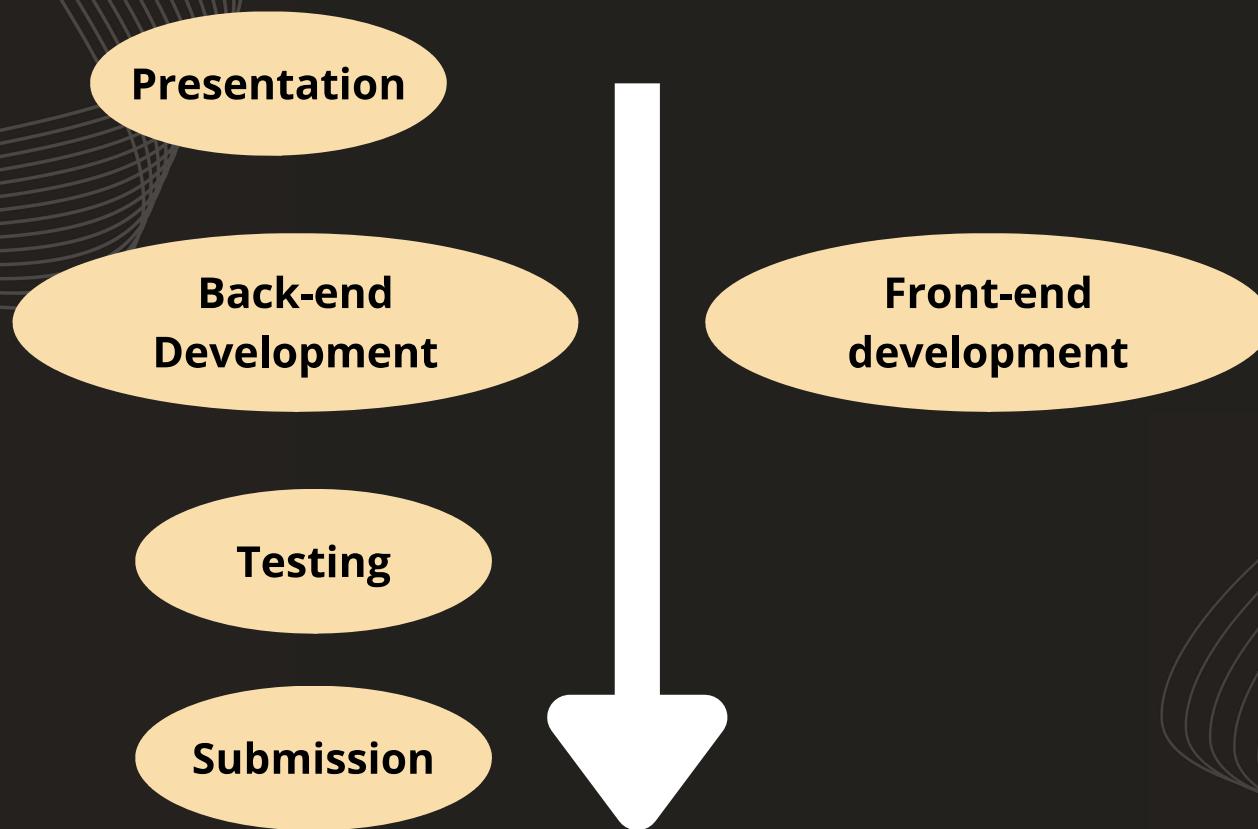
Used Technologies



JS



Project Time-Line



A composite image depicting various agricultural scenes. In the foreground, a green tractor with a white cab is positioned on the left, facing towards the center. To its right, a large green combine harvester is shown from a side-on perspective, also facing right. Further back and to the right, a green dump truck is loaded with grain and is being pulled by a dark-colored tractor. The background features a cluster of farm buildings, including several large cylindrical grain silos and several barns with red roofs. The sky is clear and blue.

Thank You