

FarmEase

from Soil to Sale



Team #1

Jain University

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Challenges Faced by Indian Farmers



Problem Statement

FarmEase Solution

FarmEase is an AI-powered, all-in-one digital farming assistant that simplifies crop planning, disease management, input selection, and market access for farmers.

FarmEase : Easy Agri Management

Unique Value Proposition

- **All-in-One Platform:** Crop planning, disease control, inputs, and market access in one app.
- **Farmer-Friendly Design:** Multilingual mobile-first, and easy to use.
- **Data-Driven Decisions:** AI replaces guesswork with actionable insights.

Our Solution

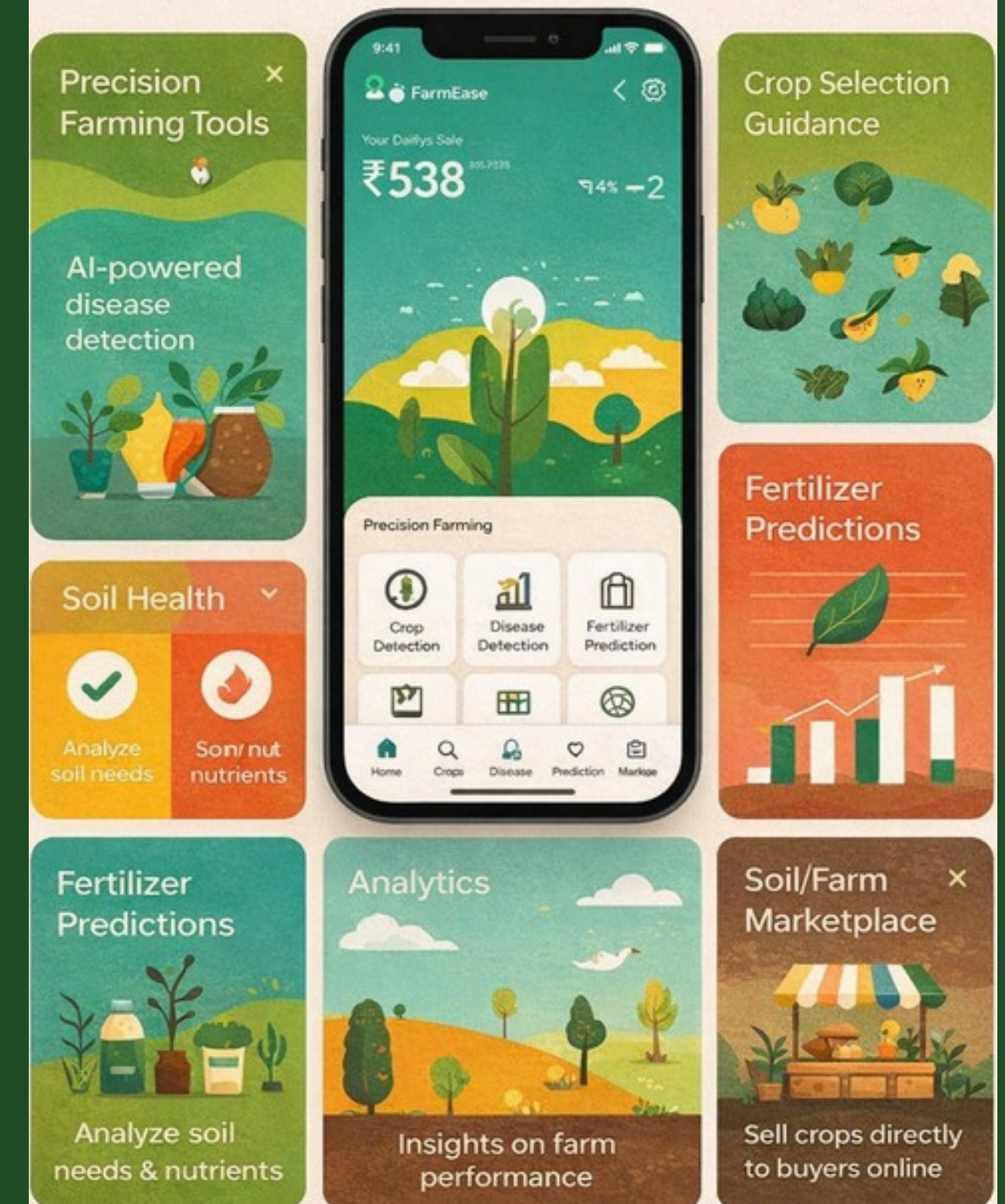
- **AI Disease Detection:** Upload crop images to detect diseases early and get treatment guidance.
- **Smart Crop Recommendation:** ML-based crop suggestions using soil and climate data.
- **Fertilizer Advisory:** Predicts soil nutrient needs and recommends optimal fertilizers.
- **Digital Marketplace:** Direct farm-to-buyer platform eliminating middlemen.

Problem Resolution

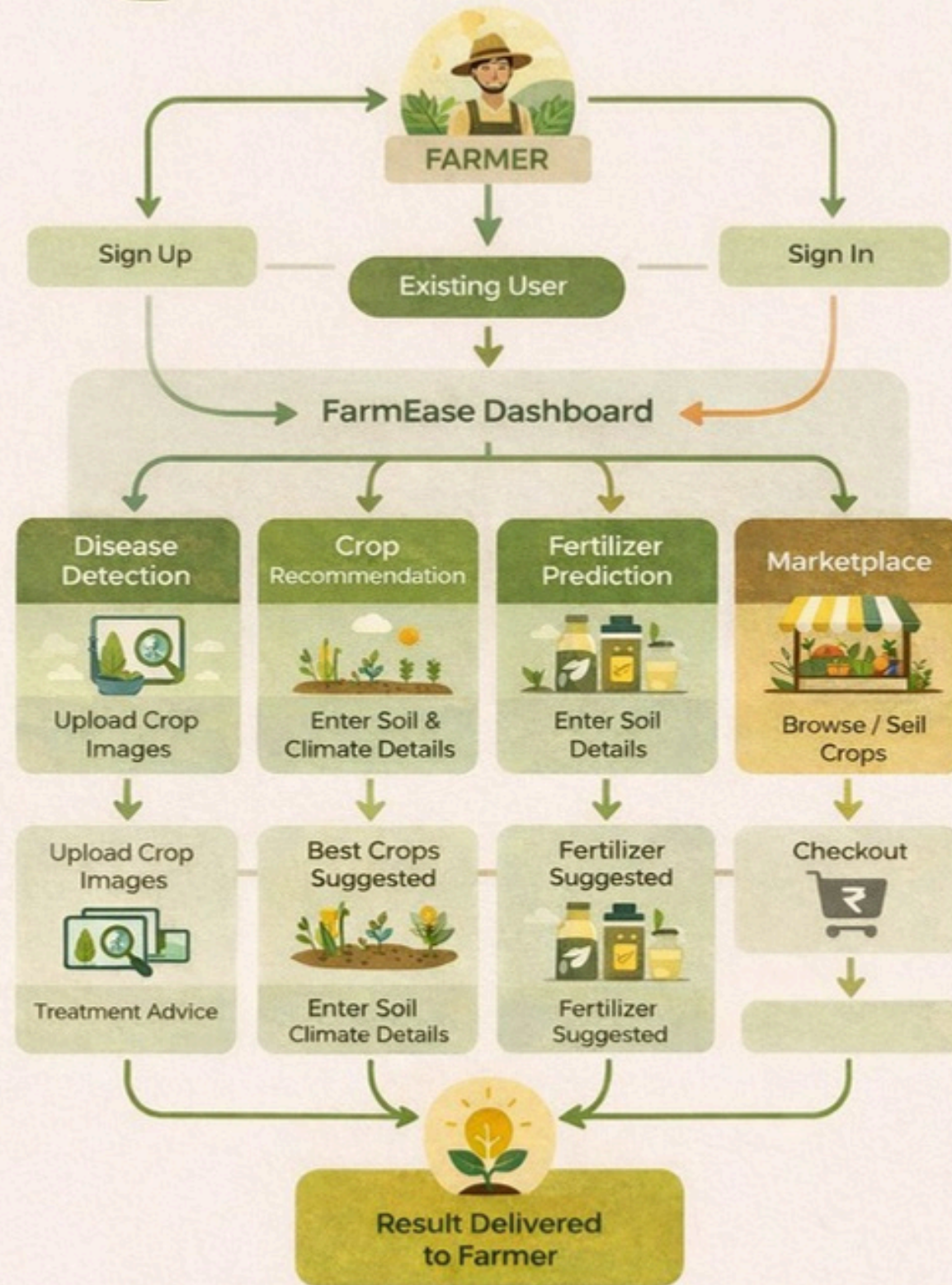
- **Better Income:** Direct selling and fair pricing.
- **Lower Losses:** Early disease detection and smarter input use.
- **Smarter Farming:** Knowledge, schemes, and advisories in one place.

Easy Agricultural Management.

Tools and resources to monitor and optimize farm operations easily, streamlining farming for a very farmer.



FarmEase User Flow



Technical Approach

TECH STACK



FrontEnd



BackEnd



AI & ML



Others



Feasibility and Viability

Technical Feasibility

Employs a cutting-edge, scalable technology stack that ensures seamless performance across multiple devices, even in low-connectivity rural areas.

Potential Challenges

Risks include varying levels of technological literacy among farmers and challenges related to internet reliability in remote regions.

Market Viability

Addresses strong demand for smarter market access, advanced machine learning models, and real-time agricultural data, enhancing overall adoption potential.

Overcoming Challenges

Provides extensive user training and support while optimizing system performance for varying internet speeds to ensure accessibility for all users.

Impact and Benefits

