

Team name: Agrobot
(Chittagong)

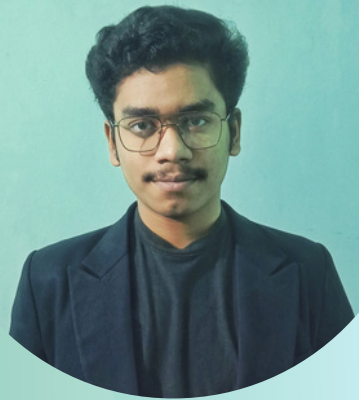
Introducing' **AgroBit**'

A Weather-Based Crop Advisory System





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Problem Identification



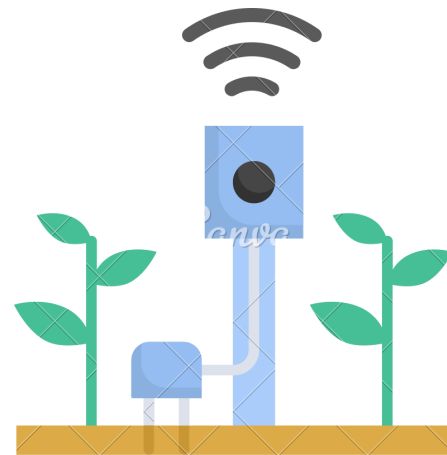
Unexpected Flooding



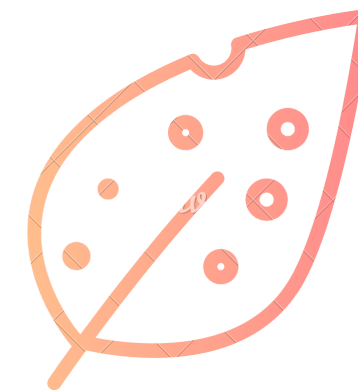
Inaccurate Weather Forecasts



**Generic Crop Specific
Decision Making**



Inaccessible Soil Moisturizer



Plant Disease

Solution

Developing a software to provide **Weather Forecasts and **Crop Cultivation** related advice**



Making accurate data-based decisions about the weather can help to solve various types of weather-related problems.

Feature 1

AI-Powered Weather-Based Crop Advisory System

Create an AI-driven platform that integrates NASA satellite data and AI algorithms to offer accurate weather forecasts and personalized crop recommendations.



Feature 2

Alignment with NASA Tools: Soil Moisture Sensors

Improve irrigation practices by integrating ground-based soil moisture sensors with NASA's satellite data for accurate water management



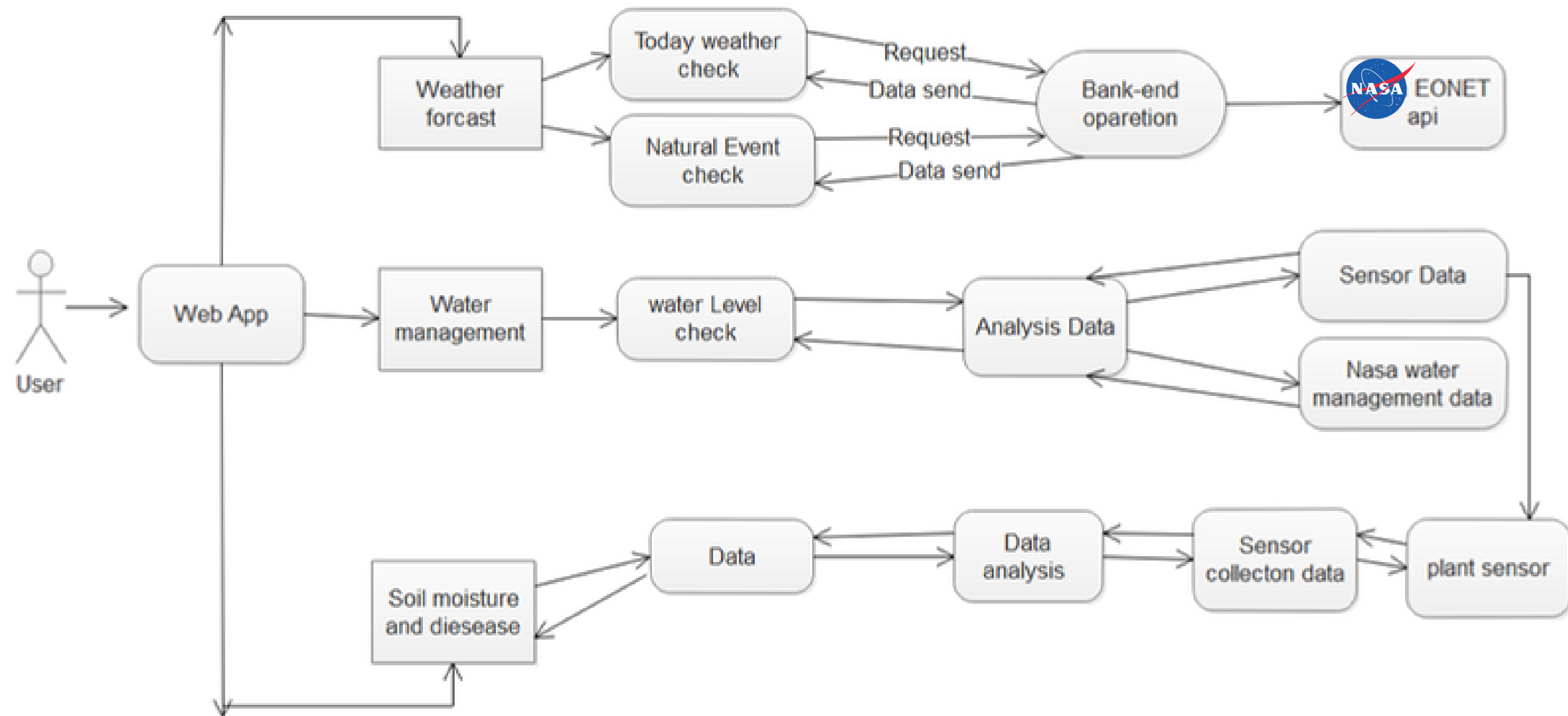
Feature 3

Integration of IoT to Detect Disease

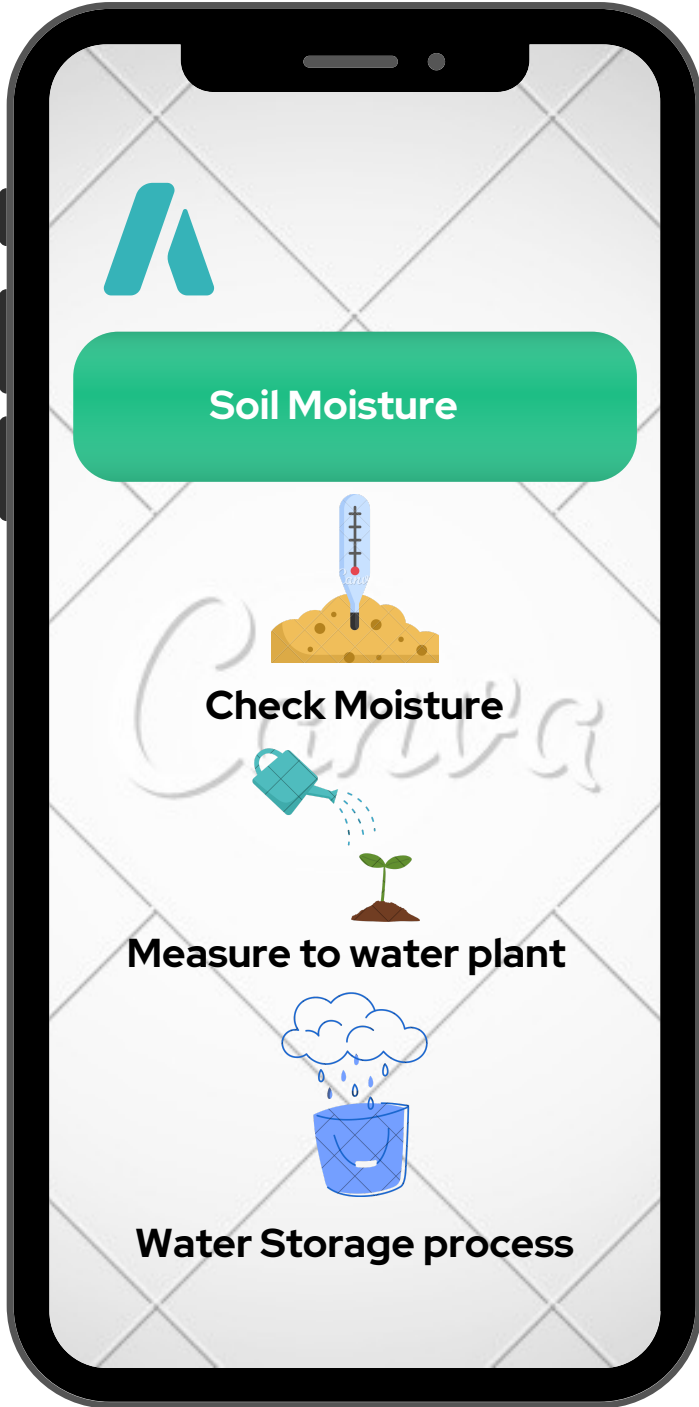
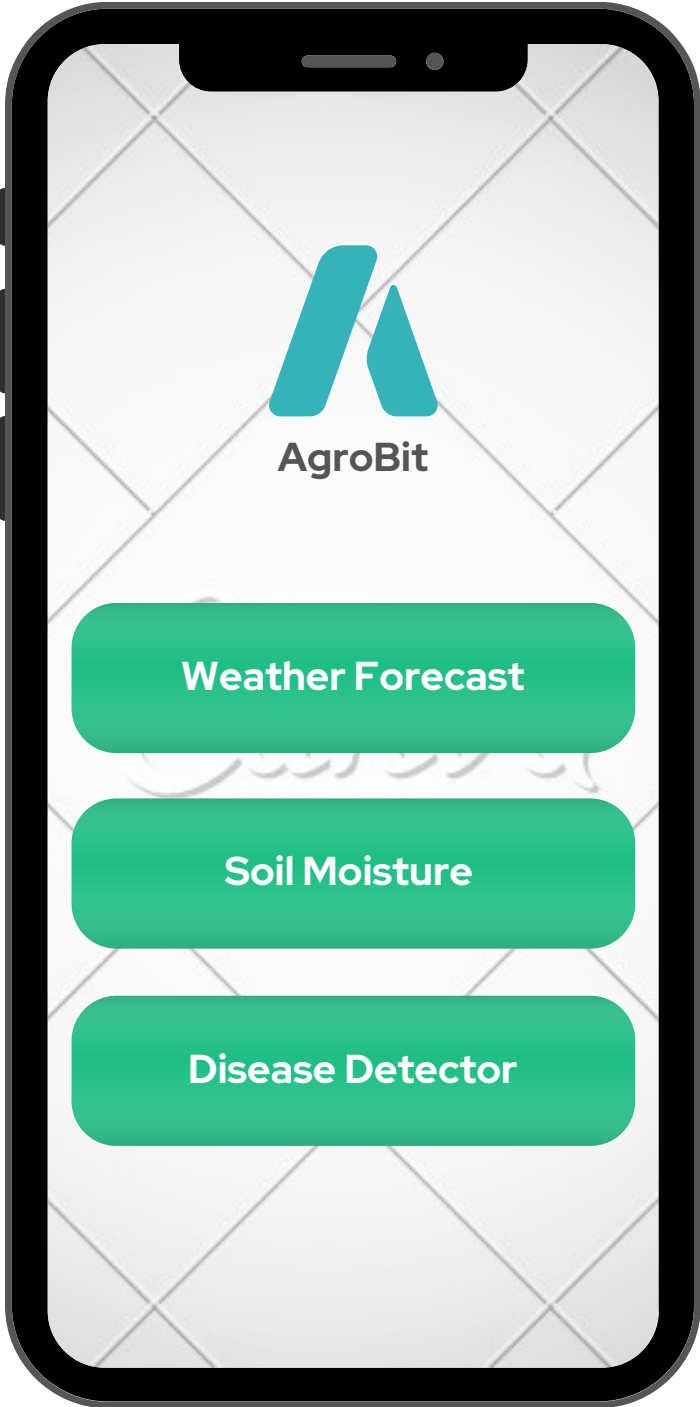
Enhance crop health and yields by integrating IoT disease detection sensors with AI models and NASA satellite data for precision agriculture



Technical Architecture



Mobile App view



Business Canvas Model

CUSTOMER SEGMENTS

- Agri Startups

KEY RESOURCES

- Weather Data APIs
- Data Scientists

VALUE PROPOSITION

- Predictive Weather Insights
- Crop-Specific Recommendations
- Weather Education

COST STRUCTURE

- Technology Infrastructure
- Hiring Skill People

KEY ACTIVITIES

- Data Analysis
- Algorithm Development

SALES & MARKETING

- Content Marketing
- Freemium Model with Exclusive Offers
- Social Media Engagement

REVENUE STREAMS

- Premium Model
- Pay-Per-Use Advisory Credits

KEY PARTNERSHIPS

- Weather Data Providers
- Agricultural Research Institutions

Market of AgriTech



Potential For Growth

3.054 % growth rate in
the agriculture industry



Customer Needs

The land area irrigated
using modern technology
went from 0.9 million
acres to 5 million acres



Market Demand

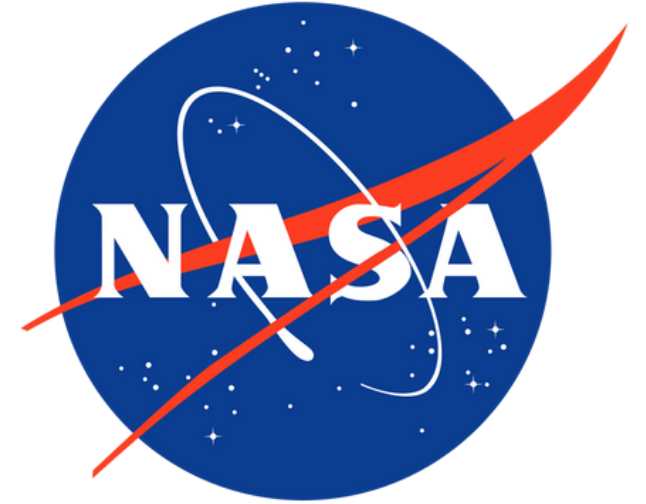
The number of AgriTech
users in Bangladesh is
around 10 million, which
is about 25% of the total
number of farmers in BD

Market Partner

National



International



Thank You

Agrobit
Chittagong