

# **AGRO AI**

## **Project Enclosure Document**

### **Pranav J Kumar**

## **Introduction**

- Agro AI is an artificial intelligence platform that provides comprehensive crop management solutions for farmers. It offers crop suggestions, crop rotation advice, mixed cropping suggestions, and harvest date predictions. These recommendations are based on a combination of factors, including soil analysis, nutrient content, weather forecasts, seasonal trends, and topographical data.

## **Mission**

- Our mission is to empower rural farmers who are unable to rely on traditional farming methods due to factors such as climate change. We aim to provide them with a roadmap tailored to their specific soil conditions, nutrient content, weather patterns, seasonal variations, and geographical location, ensuring maximum yield and sustainability.

## Service

- Agro AI is accessible through an online webpage, designed for simplicity and compatibility with any device with internet access. The platform offers a text-to-speech feature, making it accessible to users who may not be literate. In a way of software as a service (SaaS)

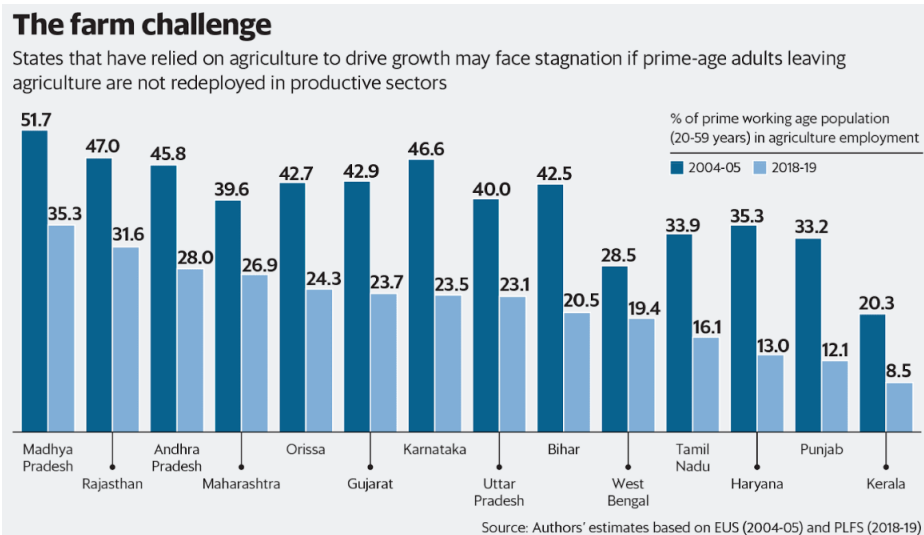
- Additionally, Agro AI offers a postal service option, priced at Rs.20 per month, delivering personalized recommendations in the native language to farmers' doorsteps.

- For rural farmers with limited internet access, Agro AI provides a free SMS service in the native language, delivering relevant information and suggestions directly to their phones.



## Target Audience

- Agro AI is designed for rural and upcoming farmers who seek guidance and support in optimizing their farming practices. It caters to individuals who may not have access to advanced agricultural technologies or resources. In the past years and the present years show that the people opting for agricultural sector has been reduced in various states of India.



## **Market Analysis**

- The agricultural sector faces challenges such as climate change and resource depletion, creating a demand for innovative solutions like Agro AI. Competitors in this space offer similar services, but Agro AI stands out with its focus on simplicity, accessibility, and affordability and mainly the ability to be adapted everywhere.

## **Costing**

- Agro AI offers this service for free for the website, and only costing twenty rupees for postal services.

## **Technology Stack**

- Agro AI utilizes a tuned version of Open AI's language model and the internet to process and analyze vast amounts of agricultural data. The platform is built on a scalable and secure infrastructure, ensuring reliability and performance.

## **Future Developments**

- Future developments for Agro AI include enhancing its AI capabilities, expanding its database of agricultural insights, and integrating new features based on user feedback and technological advancements.

## **Conclusion**

- Agro AI is committed to revolutionizing the agricultural sector by providing farmers with the tools and insights they need to thrive in an ever-changing environment. Join us in our mission to transform agriculture for the better.