

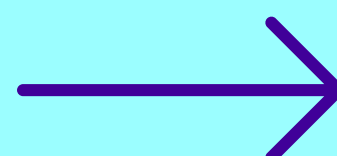


AI INCUBATOR
SELECTED PROJECT

AI-POWERED CROP DISEASE DETECTION AND MANAGEMENT APP FOR SMALL-SCALE FARMERS



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ABOUT

This project aims to to **empower small-scale farmers with accessible, accurate, and timely tools for crop disease identification and management.** By leveraging AI technology, the project specifically aims to **bridge the technological and informational gap faced by farmers, enhance food security, and promote sustainable agricultural practices.** The app will be designed to provide multilingual support, text-based and image-based disease diagnosis, and a platform for knowledge sharing, all while ensuring scalability and adaptability to different regions and crops.

THE CHALLENGES



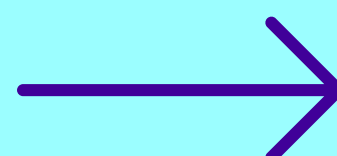
Traditional methods of disease identification and treatment are often time-consuming, require expert knowledge, and are often inaccessible to farmers in remote areas.



Language barriers further limit access to important information on diseases and management practices.



Existing agricultural technologies are typically designed for large-scale farming operations and are often **inaccessible or unaffordable for small-scale farmers.**





THE OBJECTIVES

DEVELOP A TEXT-BASED DISEASE PREDICTION

a feature where farmers can describe the disease symptoms in text, and the AI model will analyze and provide diagnosis.

INTEGRATE MULTILINGUAL SUPPORT

for the most commonly spoken languages in Africa to ensure accessibility.

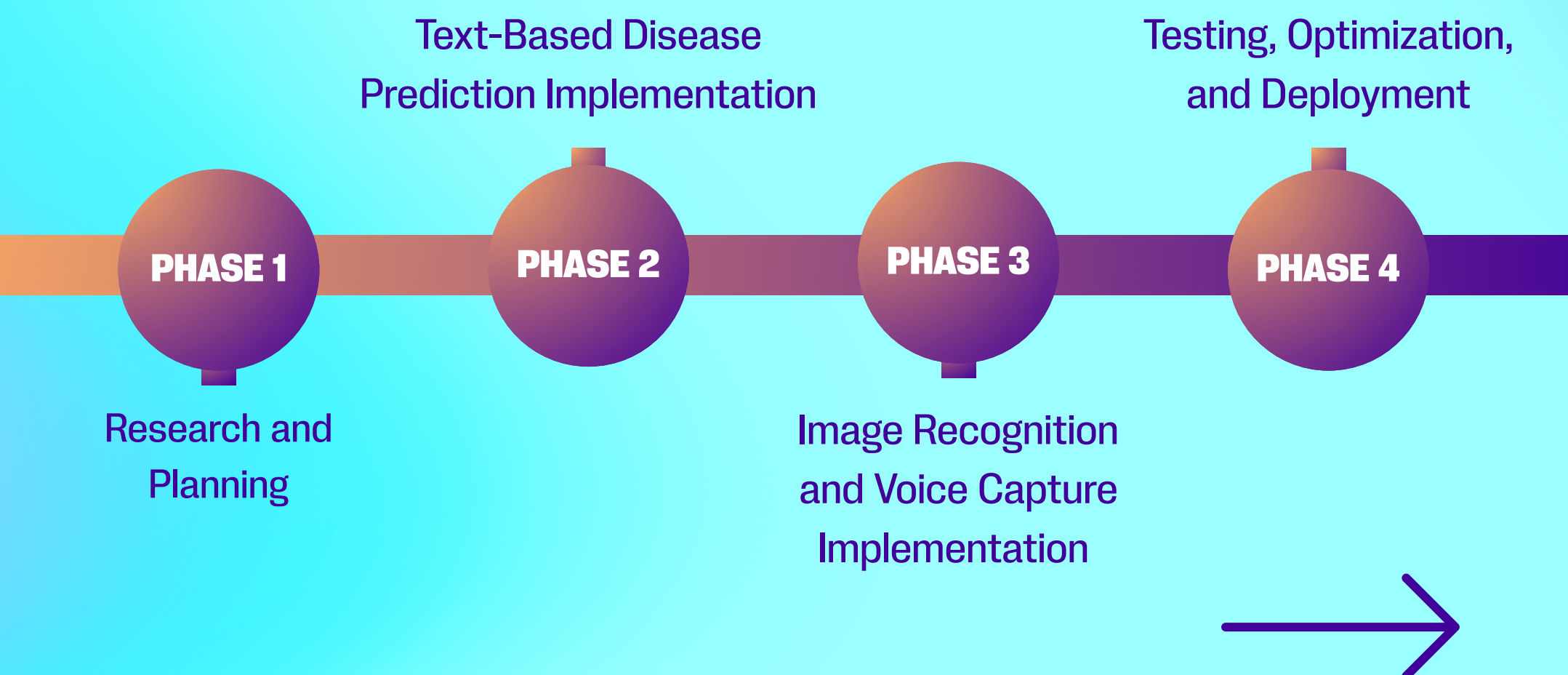
IMPLEMENT IMAGE RECOGNITION

focusing on the initial set of crops to diagnose diseases through user-uploaded images.

ESTABLISH KNOWLEDGE SHARING PLATFORM

a user-friendly, multilingual UI that facilitates easy navigation and access to information, along with a knowledge-sharing platform where farmers can exchange insights and experiences.

THE TIMELINE





YOUTH AND MULTILINGUALISM AI INCUBATOR

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