

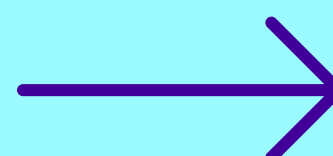


AI INCUBATOR
SELECTED PROJECT

**EMPOWERING MARGINALIZED
ETHNIC COMMUNITIES THROUGH
MULTILINGUAL AI EDUCATION,
CULTURAL PRESERVATION AND
BLOCKCHAIN-ENABLED
INTELLECTUAL PROPERTY RIGHTS
MANAGEMENT IN EASTERN AFRICA**



BY DENNIS TANUI





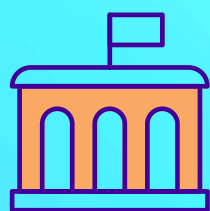
ABOUT

This project will develop **an AI platform that supports marginalized ethnic communities across Eastern Africa**, including the Terik and Njemps peoples. It combines language translation, speech recognition, and object recognition to **make education more accessible in native languages and to document cultural heritage before it is lost**. A key feature is the integration with blockchain technology, which **protects the intellectual property rights of these communities** over their cultural assets and ensures fair compensation through smart contracts.

THE CHALLENGES



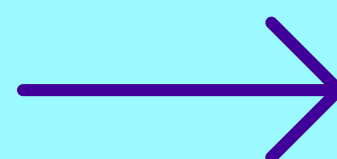
Marginalized ethnic communities face **cultural erosion, limited access to social amenities, and linguistic barriers**.



Marginalized ethnic communities are **consistently underrepresented** in public discourse and decision-making processes.



Cultural assets and traditional knowledge are **vulnerable to exploitation** without clear ownership protections.





THE OBJECTIVES

DIGITIZE AND PRESERVE CULTURAL HERITAGE

by creating a digital archive of cultural artifacts, oral traditions, and knowledge from marginalized communities.

PROTECT INTELLECTUAL PROPERTY RIGHTS

using blockchain technology to record ownership and ensure fair, transparent compensation for cultural assets.

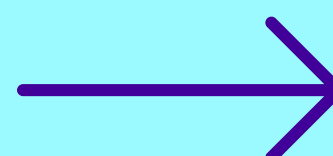
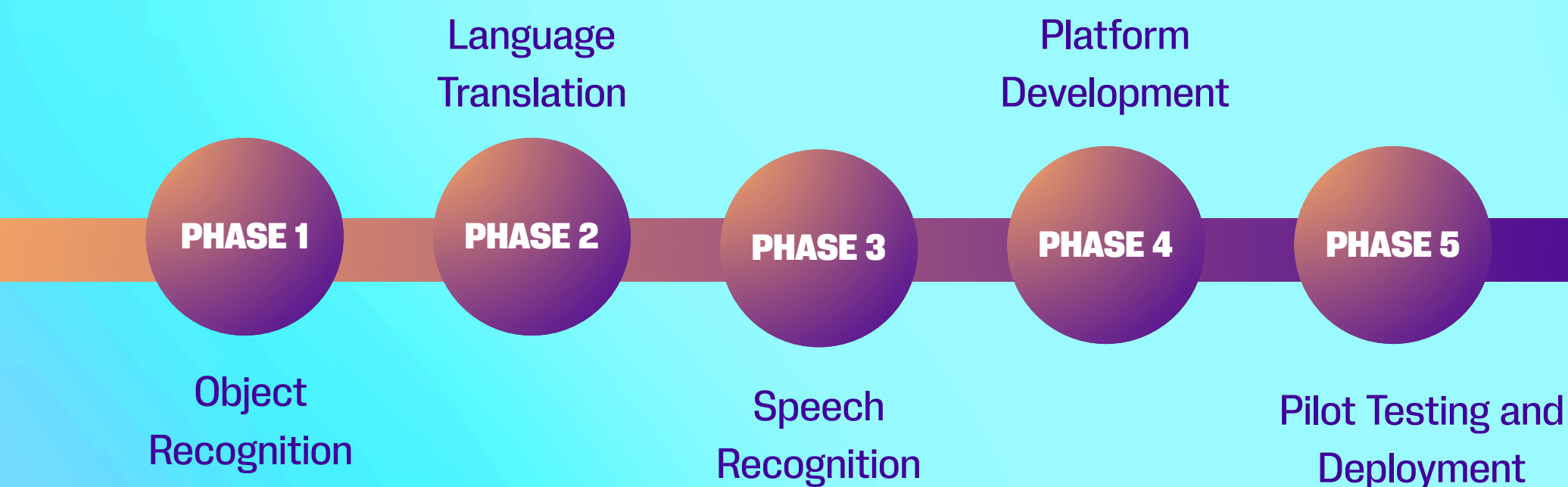
BREAK DOWN LANGUAGE BARRIERS

by translating ethnic languages into national languages, enabling communities to participate in public discourse and decision-making.

PRESERVE ENDANGERED LANGUAGES

through speech recognition technology that captures and safeguards oral traditions for future generations.

THE TIMELINE





YOUTH AND MULTILINGUALISM AI INCUBATOR

WWW.OBREAL.ORG