



Researcher: Prof. Waweru Mwangi

Affiliation: Department of Computing, **Position:** Associate Professor

Specialization: Information Architecture and Artificial Intelligence

Research interest: Software engineering, Artificial Intelligence. Simulation and modelling, Fuzzy Logic.

Goal: To contribute to efficient and sustainable development of software solutions..

Current project: Maize Farming Information Repository Project.

About the project

- This is a research project between JKUAT and other stakeholders in the maize farming sector in Kenya such as Kenya Seed and KARLO.
- It is funded by Japan International Corporate Agency (JICA)
- It aims to introduce a web based information system with all the necessary information relating to maize farming.
- Farmers are able to obtain relevant information on maize farming through their electronic gadgets such as mobile phones.



The public-facing website has been designed to make it more user friendly. This includes making it more responsive to hand-held devices, in addition to having relevant features.

Content : Seed varieties, Agro-Ecological Zones, Soils, Temperatures, Land preparation, Propagation, Planting depth, Spacing, Methods of planting, Fertilizers, Weed control, Pests and disease controls, Harvesting, Shelling, Seed treatment, Storage and Marketing

An SMS based application where farmers can query the maize variety for growing in a specific region.

Query by USSD based application with short code 20880 from the Nairobi based AfricaTalking Company.

