

KIENYEJI Mobile/Web App

Developers

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Kienyeji is a mobile and web application designed for KALRO, by the winning team during the CODATA hackathon on Saturday Nov 11th 2017.

The application is designed to connect indigenous chicken farmers to KALRO and each other.

The mobile application is mainly for the farmer while the web was designed as an administrative tool for KALRO.

Datasets used:

1. Local innovation for food security and livelihood – Brooding sites data
2. Small holder poultry agribusiness development programme: Commercialization of indigenous poultry in Kiambu, Laikipia and Murang'a Counties
3. KALRO Chicken: Alternative livelihoods for ASALs – Chicken Supply data

The mobile application features.

A new farmer signs in to the mobile app, and joins a group of farmers nearest to him.

These groups are categorized by location, and are established to enable farmers within same localities to consolidate their resources and share information etc.

The farmer will then be able:

To connect with other farmers, buy and sell to each other. For example a farmer can be able to see other farmers who are selling eggs or hens or feed

To see the nearest brooding sites

To receive direct Training notifications from KALRO, to the group.

The Web Application features

This platform was designed to assist KALRO in the following ways

It is a direct channel for them to advertise upcoming trainings to their desired audience

It shows them the distribution of chicken farmers that are using their platform, and their indigenous chicken technology and helps manage them

To visualize and analyze the distribution of chicks to the groups and counties

Benefits of using Kienyeji Mobile and Web

For the farmer

They get early alerts about trainings from KALRO

They join an ecosystem of farmers where they can share their thoughts and experiences, buy and sell from each other, and share resources etc

They get a direct market for their product

For KALRO

They get a direct link to their target audience to advertise their trainings

They have a platform to monitor farmers they have been training

They have a direct sample population for research

They get a ready constant source for product to distribute

Screen shots

a) Poultry Groups Listing

Poultry Groups
Farmers who adopted the KALRO improved indigenous chicken technology

Name	County	Male	Female	Total
Gathiru Self Help Group	Kiambu	7	8	15
Kiriri Nguirubi SHG	Kiambu	0	15	15
Jikaze SHG	Kiambu	5	21	26
Magegania SHG	Kiambu	4	17	21
Mwihoko SHG	Kiambu	0	16	16
Thayu SHG	Kiambu	0	19	19
Nachu Ndasha	Kiambu	7	17	24
Hatiri Kamwene	Kiambu	1	14	15
Thigio rabbit SHG G	Kiambu	11	8	19
ADS group	Kiambu	5	13	18

b) Group Details

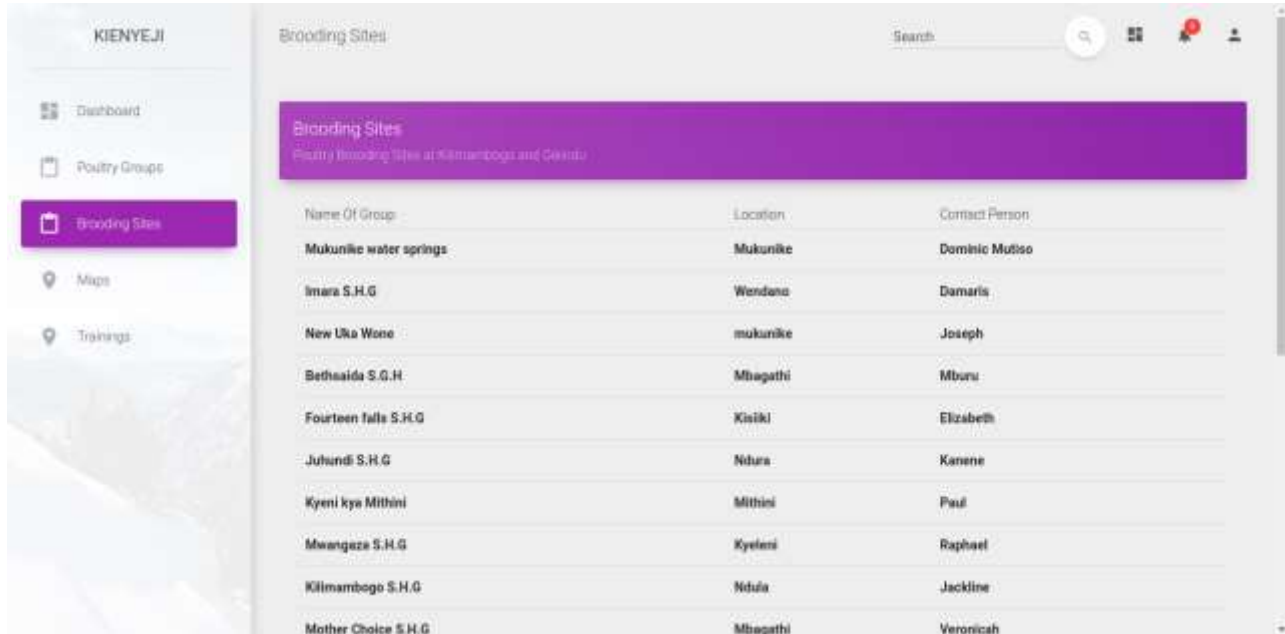
Group Detail
Farmers who adopted the KALRO improved indigenous chicken technology

Group Details

Name	County	Total Members
Gathiru Self Help Group	Kiambu	15

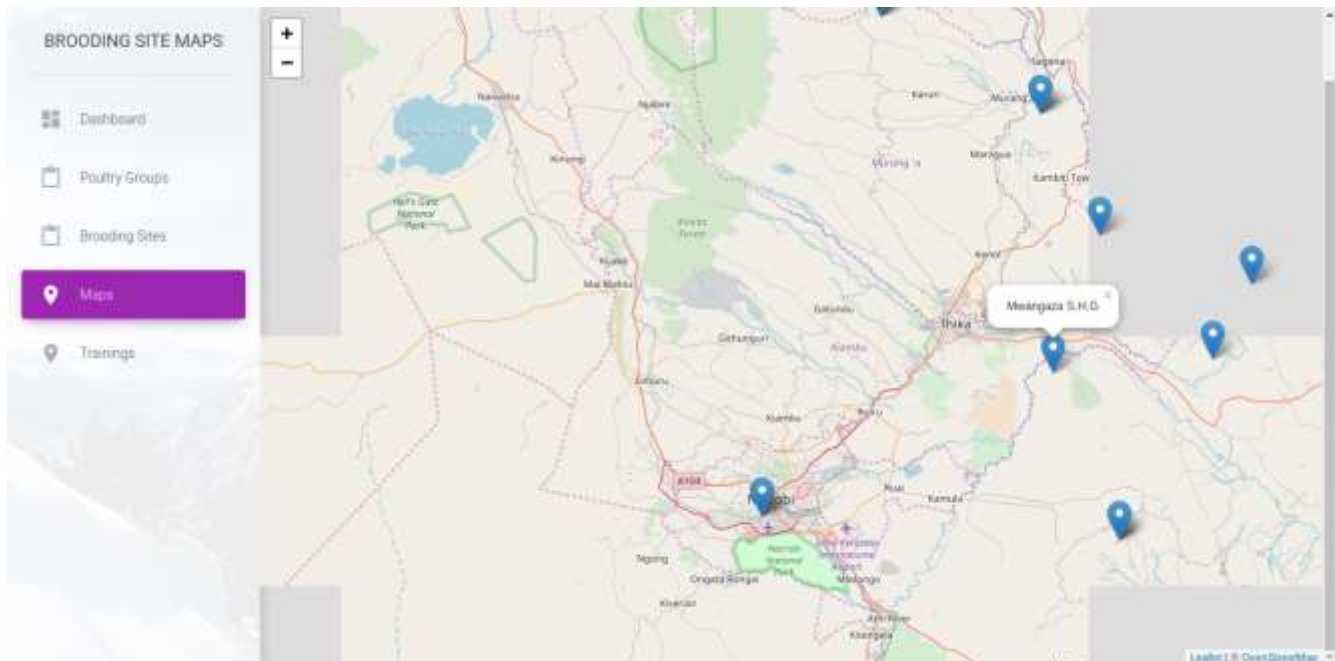
Nearby Brood sites
Brooding Sites

c) Brooding Sites Listing



Name Of Group	Location	Contact Person
Mukunike water springs	Mukunike	Dominic Mutiso
Imara S.H.G	Wendani	Damaris
New Uka Wane	mukunike	Joseph
Bethaaida S.G.H	Mbagathi	Mburu
Fourteen falls S.H.G	Kisiki	Elizabeth
Juhudi S.H.G	Ndara	Karene
Kyeni kya Mithini	Mithini	Paul
Mwangaza S.H.G	Kyeleni	Raphael
Kilimambogo S.H.G	Ndula	Jackline
Mother Choice S.H.G	Mbagathi	Veronica

d) Brooding sites Mapping



e) KALRO Trainings management Dashboard

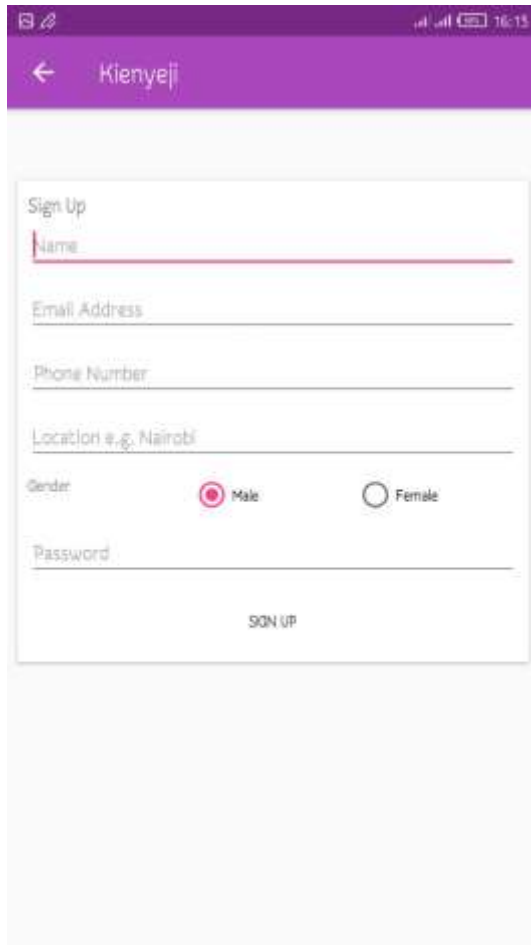
KALRO Trainings

Indigenous Chicken Trainings

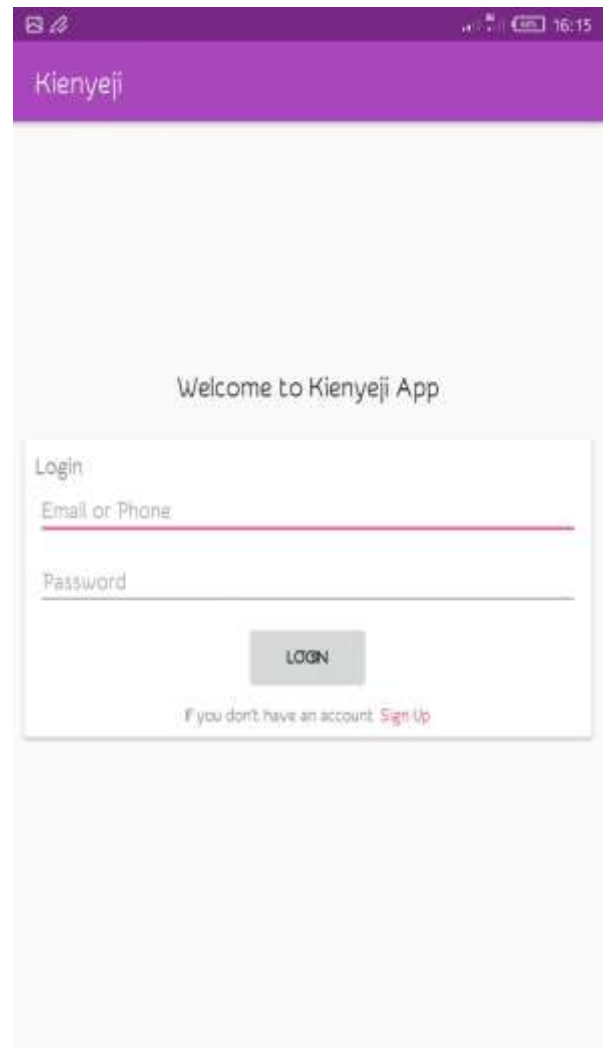
Title	Purpose	Fee	Dates	Location of Training
INDIGENIOUS CHICKEN MANAGEMENT - Kalro Non-ruminant Research Institute Naivasha Centre	Training on Indigenous Chicken diseases	KSH 20,000	DEC - 2017	Kilimambogo
INDIGENIOUS CHICKEN MANAGEMENT - Kalro Non-ruminant Research Institute Naivasha Centre	Training on Indigenous Chicken diseases	KSH 20,000	FEB 2018 - 2017	Kambu
INDIGENIOUS CHICKEN MANAGEMENT - Kalro Non-ruminant Research Institute Naivasha Centre	Training on Indigenous Chicken diseases	KSH 20,000	APR- 2018	Laikipia

Mobile App Screenshots

(a) Farmer Sign Up/ Login



The screenshot shows the 'Sign Up' screen of the Kienyeji app. The header is purple with a back arrow and the text 'Kienyeji'. The main content area is white and contains a form with the following fields: 'Name', 'Email Address', 'Phone Number', and 'Location e.g. Nairobi'. Below these fields is a 'Gender' section with two radio buttons: 'Male' (selected) and 'Female'. At the bottom of the form is a 'Password' field and a 'SIGN UP' button.



The screenshot shows the 'Login' screen of the Kienyeji app. The header is purple with the text 'Kienyeji'. The main content area is white and contains a 'Welcome to Kienyeji App' message. Below the message is a 'Login' section with two input fields: 'Email or Phone' and 'Password'. At the bottom of the login section is a 'LOGIN' button. Below the button is a link that says 'If you don't have an account. [Sign Up](#)'.

(b) Poultry Groups and Brooding Sites Listings

