



VIAZ VITAMU ICT PLATFORM an innovation by:

“Integrating ICT in commercial production of quality sweet potato planting material in East Africa (ICOPSEA) ”

Website: www.sweetpotatoeseastafrika.org

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**“Integrating ICT in commercial
production of quality sweet potato
planting material in East Africa
(ICOPSEA) ”**



Presentation Overview



1. Setting the scene....
2. Viazi platform features
3. Viazi web portal overview
4. Viazi mobile application features
5. Viazi dashboard features





Setting the scene



1. Viaz ICT platform is designed to address critical issues of seed certification in the sweet potatoes value chain
2. Addressing issues of smallholder seed multiplier production records management
3. Addressing issues of market linkages between vain producers and farmers
4. Linking farmers to output markets
5. Providing mechanisms of pest and disease outbreak surveillance through the query functionality
6. Lastly product quality management through information management



Viazi vitamu Platform Overview



> Viaz platform has three main components; Web Portal, Viaz mobile app and viaz dashboard:

Viaz web portal is the Frontline platform for information access on sweet potatoes value chain and ICOPSEA project

- > **User query management and data collection:** The system that support the capture of user requests and provides features for responses
- > **Garden mapping:** Supports geo-mapping of sites in real-time
- > **Integrated databases:** farmer profiles, input providers, market database
- > **Pest and Disease surveillance..**
- > **Customer order management...**
- > **Tracking certification and garden inspection ...**





Viazi web portal features



sweetpotatoeseastafrica.org



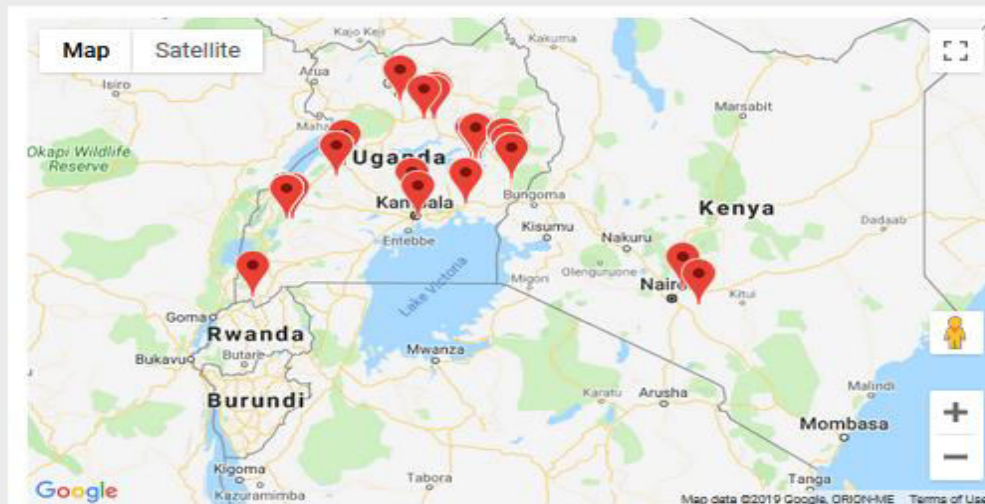
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Registered Vine Multipliers	78
Posted Queries	4
Potato Varieties	39



Sweet potato Varieties



Buy Roots and Vines



Post Query



Download Mobile App



Viazi website features



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Sweet potato Varieties



Buy Roots and Vines



Post Query



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sweetpotatoeastafrica.org/frontend/pages/buy_roots

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Home > Buy Roots and Vines

Your Order

CHOOSE VARIETY *

NASPOIT3

CHOOSE SRED TYPE *

Vines

QUANTITY *

Units

SPECIFY COLLECTION CENTER *

Arusha - (Tanzania)

FULL NAME *

Enter full name

PHONE NUMBER *

Enter Phone Number here

PROCESS ORDER

The system can enable users to buy vine/roots using the web platform , post queries and many others as indicated above



Viazi Mobile Application



- **Public Access**

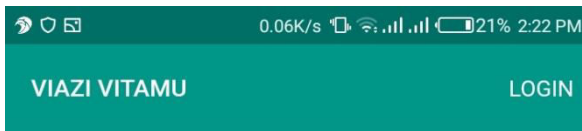
- Buy vine/roots
- View news and update queries
- View sweet potato varieties
- Submit applications for seed requests

- **Authenticated Access**

- All public access feature
- Seed growers registration
- Garden mapping
- Garden inspection
- Basic reports



Public user interfaces



A farmer may proceed to either buy vines/roots, view news or queries, submit application, vie potato varieties or view project information

← Buy Vines / Roots X

Garden Order Quantity

Comment

Name

Phone

Choose Type ▾

Choose Variety ▾

Choose Product ▾

Choose Collection ▾

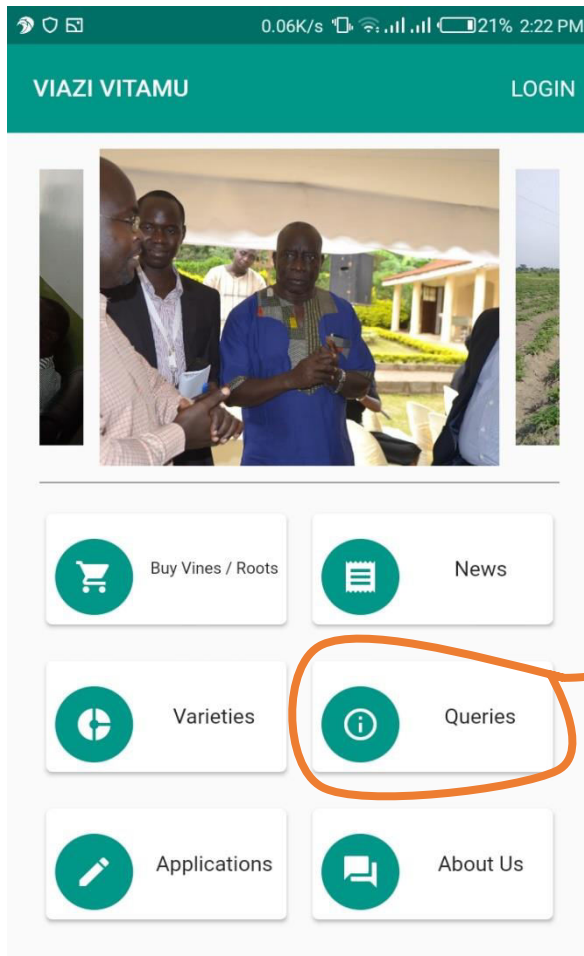
🛒 Create Order

Start up interface for all public users to choose which activity to perform

The system enables a Public user to create order to buy vines/roots

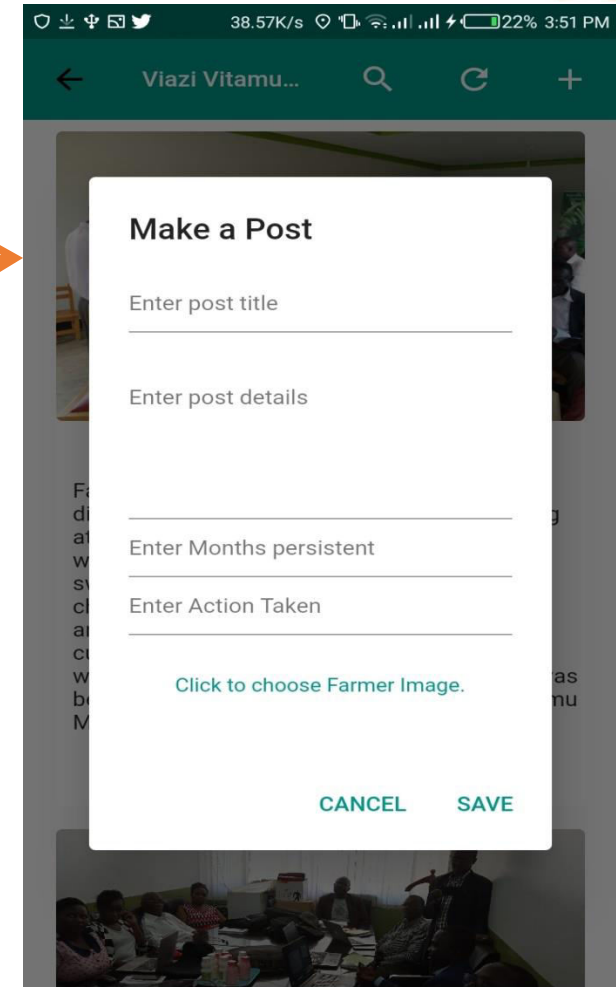


public user interfaces



A user of the app can post any question to the platform or a comment

Viewing updated news from the farmers and inspectors



The system enables private user to create queries about the garden /crops



Public user interfaces



192.56K/s 20% 3:41 PM

← Choose Form Type

Choose Form Type

(SR 4) Application for Seed Merchant

(SR 6) Application for Seed Grower

(SR 8) Application for Seed Crop

A prospective seed grower can submit applications for accreditation by the line ministries

12.22K/s 16% 5:30 PM

← (SR 4) Application for Seed Merchant

Name of Applicant

Address of Applicant

Location of Premises

Years of Experience

Years of Experience ...

I/We wish to apply for a certificate as a Seed Merchant

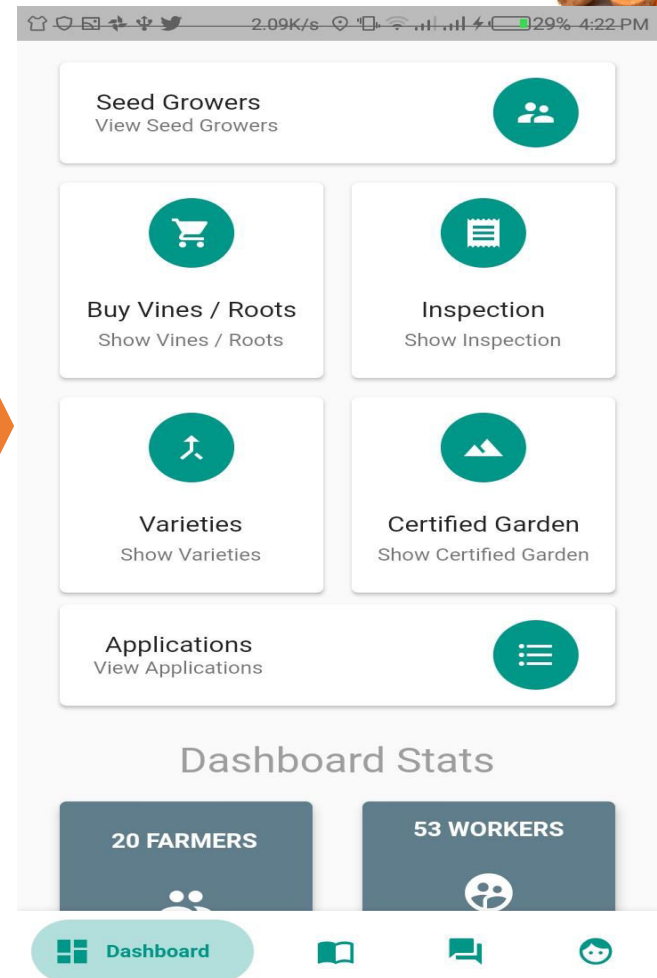
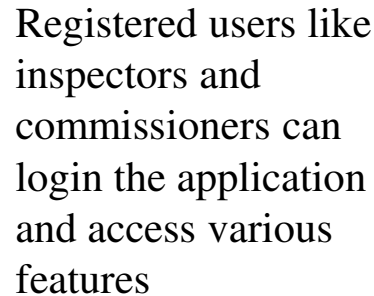
I/We wish to deal in.

Production of : ⋮

Processing of : ⋮

System enables user to create Application forms for request to become seed merchant, seed

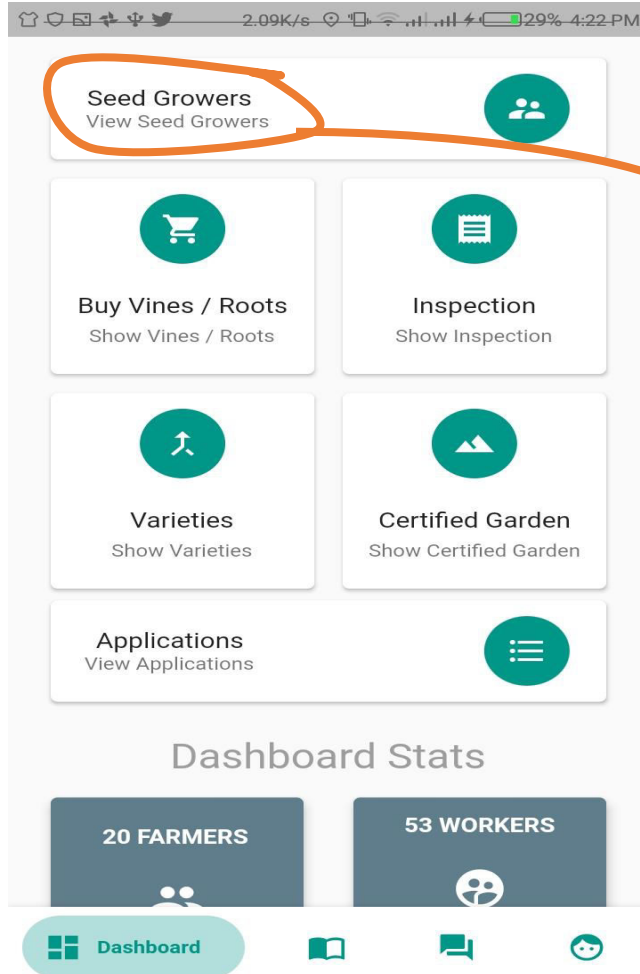
Application forms for seed merchant(SR4)



The system enables a private user to create seed growers, certify and view farmers certified gardens, create inspection reports from the field and as well perform all public user activities after logging in.



Registering a seed grower



Surname

Other Name

Phone Number

Email

Seed Grower Picture

[Click to choose Seed Grower Image.](#)

Enter Date of Birth

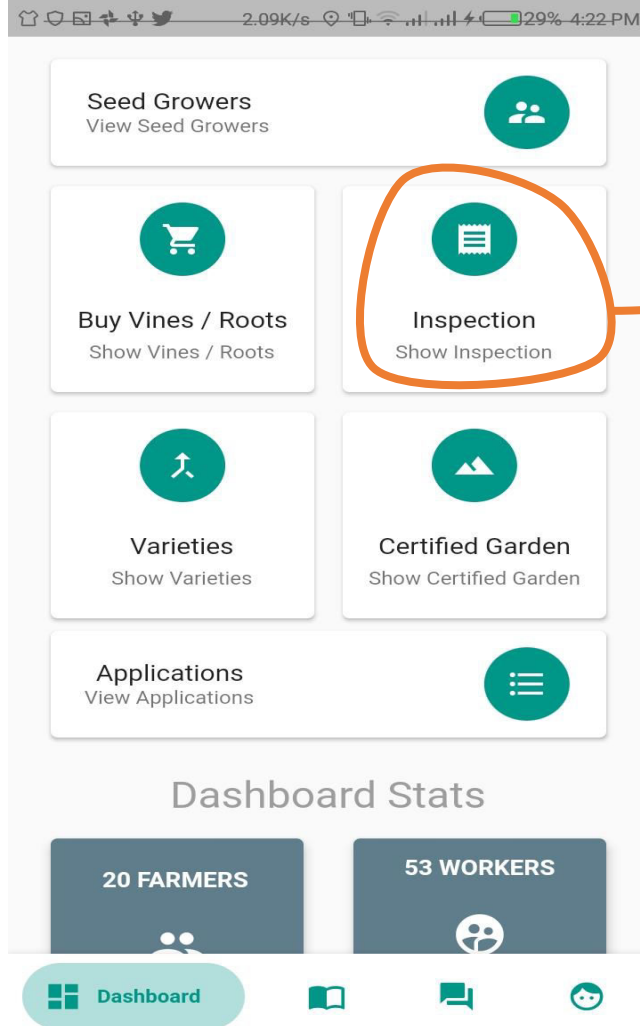
Choose Gender ▼

Choose Education Level ▼

The system enables authenticated users to add seed grower's details and garden information.



Filling the garden inspection report



← First Stage Inspection

Source of Sweet Potato Seed Details

Source of Seed

Supplier ID

Phone Contact

Email

District

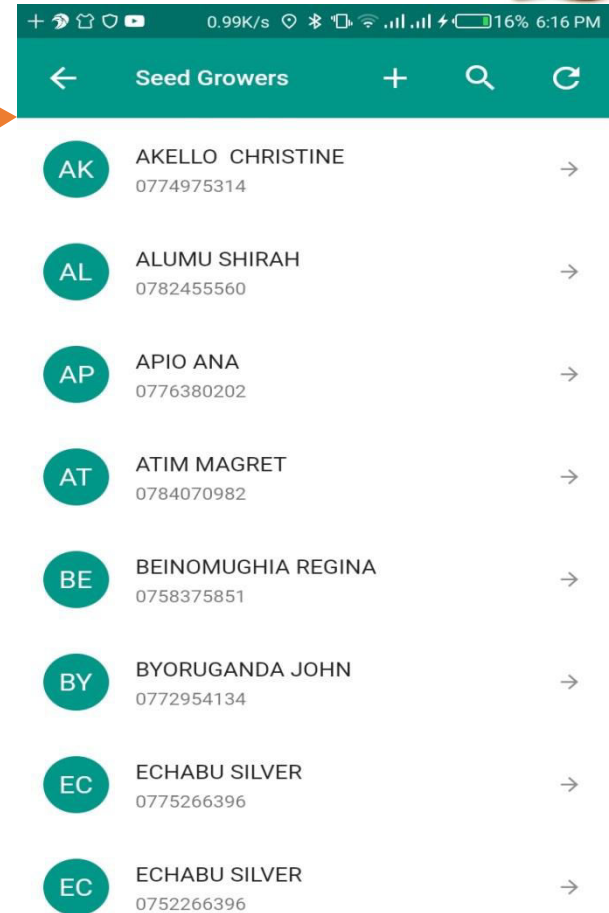
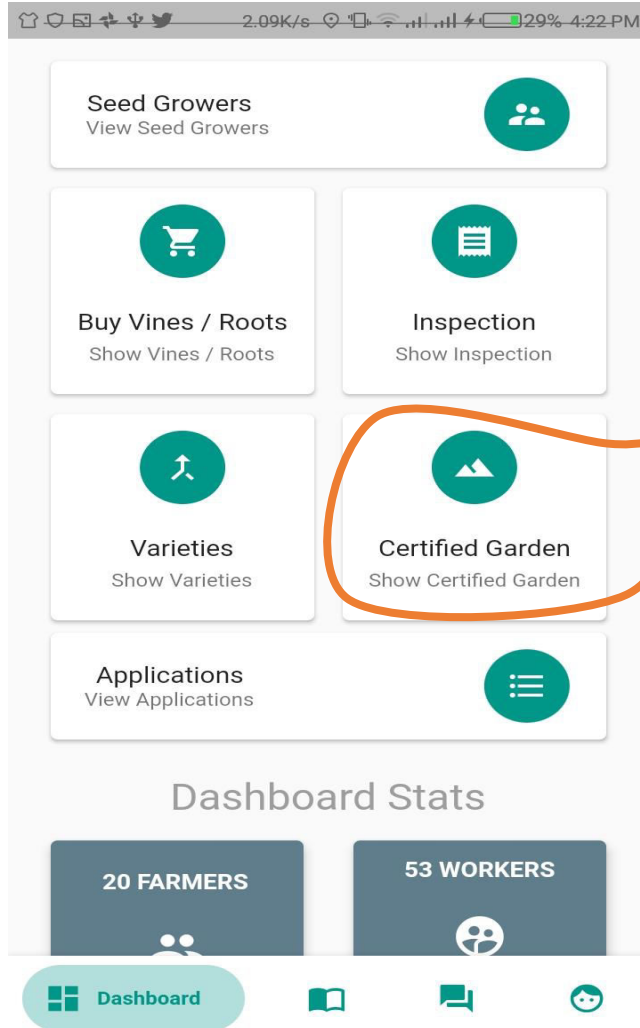
Parish

Supply Date

The system enables the authenticate user to create garden inspection reports.



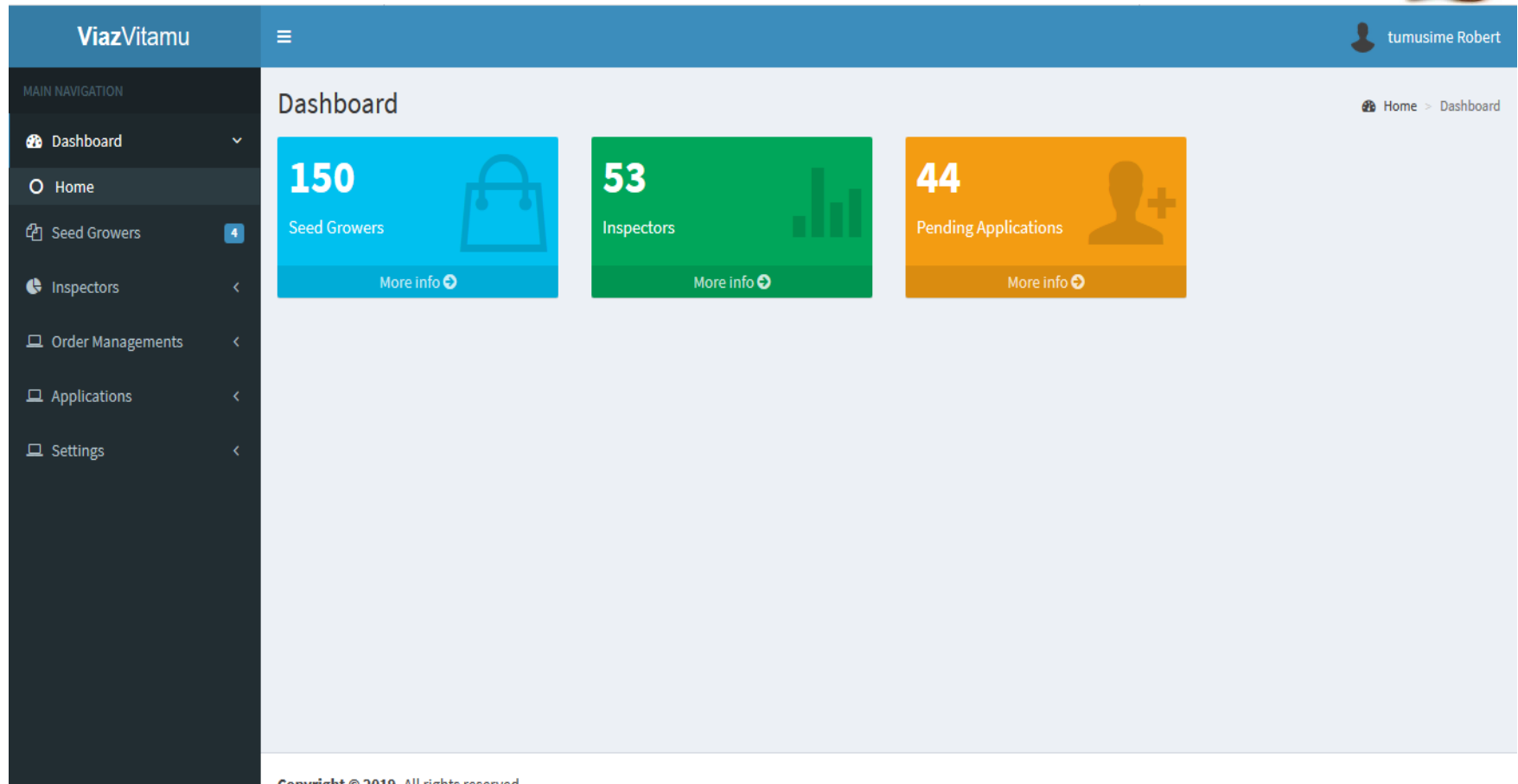
Private Viewing seed growers details



The system enables a authenticated user to view certified seed growers and their detailed information



Viazi vitamu Dashboard features



viaz.thinvoidcloud.com/dashboard/index2.html

Dashboard showing statistics of of the available seed growers, inspectors and pending applications submtted from the field.



Viazi vitamu Dashboard features



ViaziVitamu

tumusime Robert

MAIN NAVIGATION

- Dashboard
- Home
- Seed Growers **4**
- Inspectors
- Order Managements
- Applications
- Settings

Manage Orders

Order List

Show entries

Search:

ORDER ID	COUNTRY	CUSTOMER NAME	PHONE NUMBER	ORDER DATE	PRODUCT	INVOICE STATUS	ORDER ITEMS	TOTAL
1	Uganda	Joseph Kaizzi	0782157074	2019-06-24 07:26:43	Roots	issued	Kampala x 233	6990
2	Rwanda	Robert Mulumba	0789676765	2019-06-24 06:28:23	Vines	pending	add items	0
3	Kenya	Kigongo Benard	0789786756	2019-06-24 10:10:18	Roots	issued	add items	0
4	Uganda	Mbabazi Kinky	0789098989	2019-06-24 08:49:15	Vines	pending	add items	0
5	Tanzania	Joseph Kaizzi	0782157074	2019-06-24 09:23:23	Vines	pending	add items	0
6	Uganda	roxy	0789098989	2019-06-28 02:48:31	Roots	issued	add items	0

Showing 1 to 6 of 6 entries

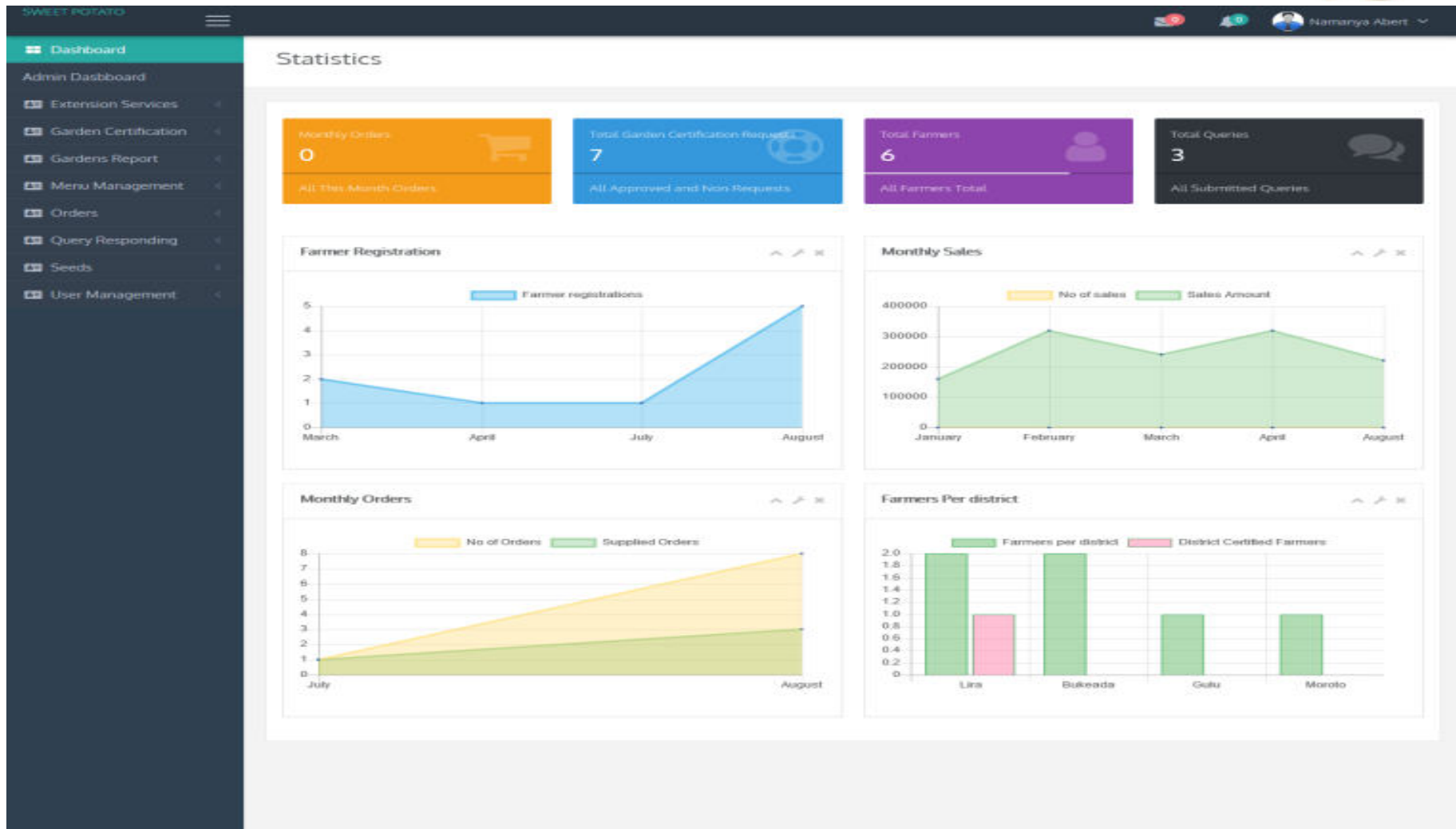
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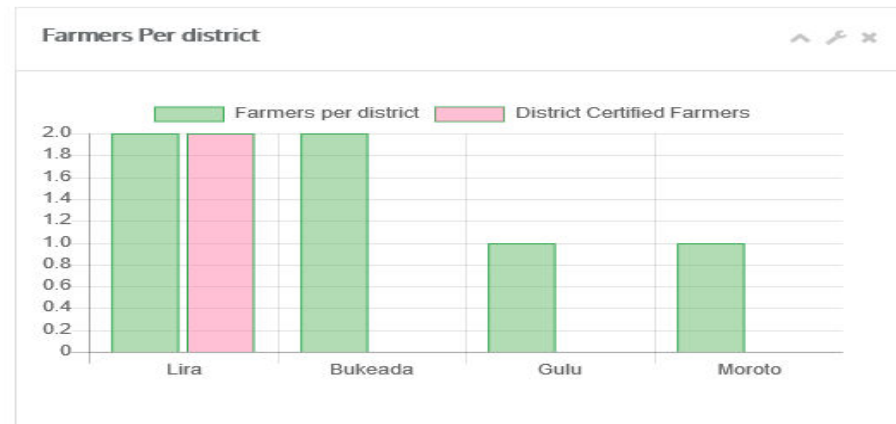
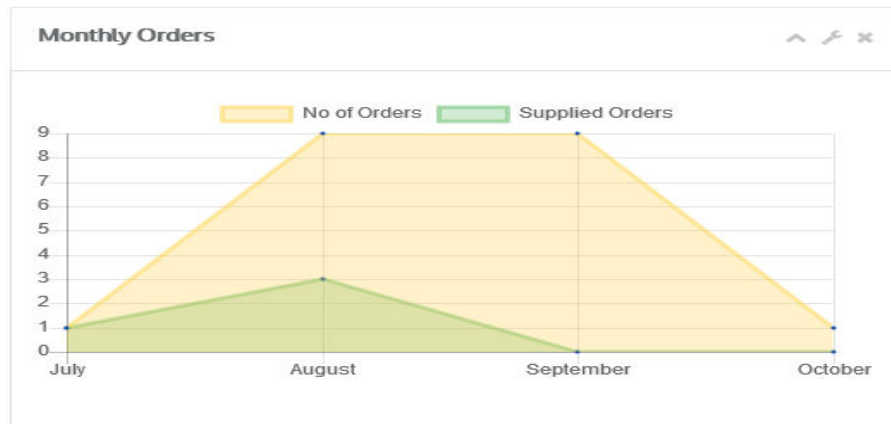
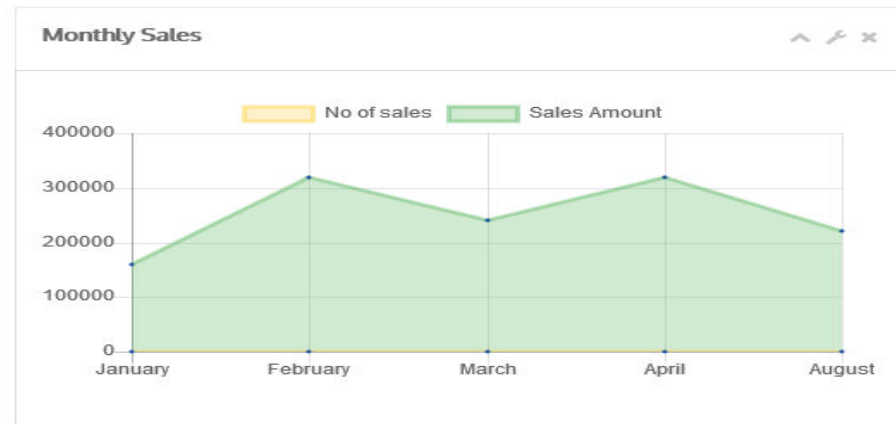
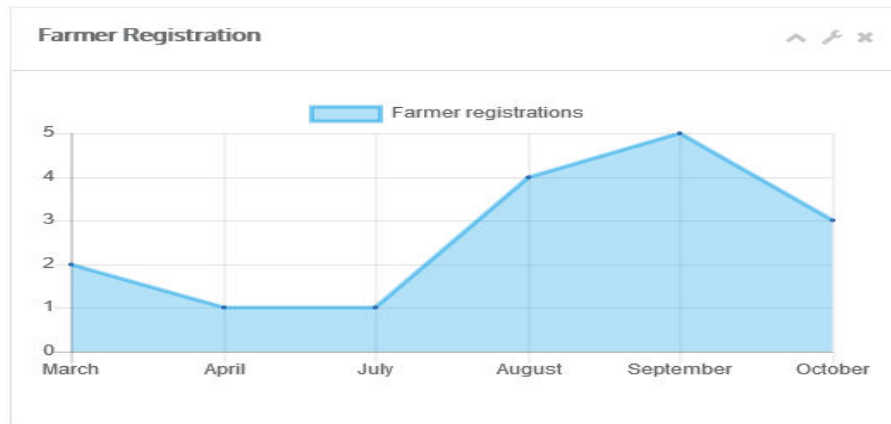
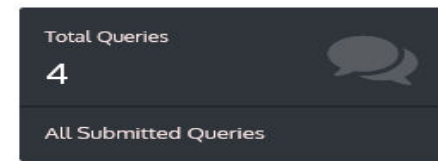
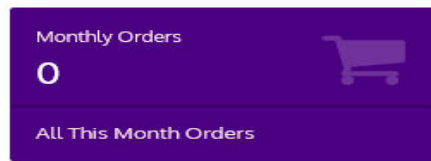
When orders for roots or vines are made in the field the information is directly sent to the dash board as it is displayed above.



Viaz Vitamu Dashboard features



Data visualization on dash boards



All the statistical information is displayed on the dashboard which is used for decision making

Mapping A Sweet Potatoes garden



Thank you