E- Application Workshop
ADDIS ABABA
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BY
ZALWANGO SHARON

BACKGROUND

The Uganda Communications Commission (UCC) a regulator which was established to implement the provisions of The UCC Act 2013 with the principal goal of developing a modern communications Infrastructure in Uganda

The Commission is mandated to undertake a range of functions which Include Capacity Building ,

Research and Development among others.

Please read more about the Uganda Communications Commission on https://www.ucc.co.ug/

ACIA
(ICT INNOVATION FOR NATIONAL DEVELOPMENT)

UCC through Research and Development Implement ACIA in 2010 with the following objectives

- To recognize outstanding innovations in the development and adoption of ICTs in Uganda

- To encourage individuals, academia, industry, government agencies and other entities to harness ICTs in creating solutions to Uganda's development challenges

- To raise awareness of the value of ICTs in the development of the country

- To create a platform for showcasing innovations within the ICT industry in Uganda

- To inspire, nurture, and facilitate Ugandan youth to develop a culture of innovation and entrepreneurship by leveraging ICT

ACIA's journey gave birth to the following e-applications that have become a success story today in Uganda

These e-applications have been Implement and are in use

- In the Health sector; PRISMS

- In the Agriculture sector; Jaguza Livestock App

- In the Education sector; Academic ERP that revolved into the Academic Information Management System

Pease read more about ACIA on http://acia.ug/

PRISMS
Protecting Remote Infants by SMS

PRISMS is a mobile phone application that runs on android powered devices to empower frontline health workers to effectively manage sick or at risk newborn babies between 0-28 days especially in the remote areas of the country

The first live testing was done at Bwizibwera Health Center IV , where it received great reviews and success as fed back from the midwives therein

PRISMS has and is still being deployed in remote/rural Health Centers which is helping greatly to reduce the newborn mortality rate

HOW PRISMS WORKS

PRISMS is composed of a remote automated server and a phone application.

The phone application is comprised of a phone-based-form into which clinical assessment findings are entered.

These findings are entered as raw numerical data for the case of age, gestational age, temperature, respiratory rate, and heart rate. The rest of the parameters are entered as a selection from a dropdown list of predetermined response categories.

All fields on the form have to be completed for the message "send button" at the bottom of the form to become active

Parameters from a completed PRISMS form are then sent to the PRISMS remote server that automatically processes a suggested clinical management response that is immediately sent to the clinician.

PRISM Challenges

- Limited funds

- Limited ICT devices and infrastructure coverage in remote/hard to reach areas

- High cost of internet

- Health care officers/frontiers lack basic computer skills which consumes a lot of time during roll out

JAGUZA LIVESTOCK App

Jaguza livestock is a mobile and online solutions app that offers best farming practices to smallholder farmers in the rural communities to improve livestock production.

The app also offers real-time animal tracking, health monitoring, animal disease diagnosis, farm record management, International market search for one's livestock, weather updates(16 days), online veterinary services and alerts the farmer of a sick animal in the livestock

Jaguza has a Self Service Portal with a number of modules from which a farmer can choose that which best suits his/her need.

This App is currently operational in over 40 communities in 62 Ugandan local farms where it provides accurate animal health data, outbreak alerts and educational content for over 8300 unique users every month.

The app is available on Play store and other Platforms

AIMS
Academic Information Management System

AIMS is an Integrated Educational management system that automates all business processes of Universities from managing admission, billing and payments, programs and curriculum, human resource among others

To date close to 13 Universities have been enrolled and are already using the system

The system is integrated and allows for data sharing with other applications to run their processes based on the information needed to perform the functions uniform to all other data forms.

AIMS Challenges

- Intermittent power and internet services

- Delays in payment of critical third party services such as DNS and internet

- Poor and limited Infrastructure

- Lack of commitment to the system by staff in some universities

Conclusion

Despite the challenges that these e-applications are still facing, they are gaining ground in the market place

Thank You