DESIGN AND IMPLEMENTATION OF AUTOMATED INFORMATION SYSTEM FOR AGRICULTURAL DEVELOPMENT

AGRO INFO APP

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Modernising Agriculture

BAGEYA IVAN- BU/UP/2018/3718

A report submitted in part fulfilment of the degree of

BSc in Computer Science

Supervisor: Dr. Lukyamuzi Andrew

Department of Computer Studies

Busitema University, Faculty of Science and education

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Declaration

This report has been prepared on the basis of my own work. Where other published and unpublished source materials have been used, these have been acknowledged.

Student Name: Bageya Ivan – BU/UP/2018/3718

Date of Submission: _____

Signature: _____

Approval

This is to certify that Ivan Bageya a third year student of Busitema University pursuing a Bachelor of Science in Computer Science fully did this project work for the partial fulfillment of the requirements of this degree under my supervision.

Dr. Andrew Lukyamuzi

Signature: …………………………………

Date…………………………………………...

(SUPERVISOR)

Dedication

This work is dedicated to my classmate for their love, care and sacrifices and to the memory of my late grandfather, Mulucha Wycliff. Your innocent smile, still lingers in my mind may your soul rest in peace.

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Abstract

Information giving out in the area of Agriculture is usually through the use of broadcast media, newspapers, magazines, pamphlet, individuals, gatherings, and seminars. Also records of farmer are collected manually using printable forms and complaints are tabled through extension workers. The challenges with these systems are unrelated of information deliver, the system does not capture all farmers, and communication is one way. The main objective of this paper is to implement the Algorithms for Agricultural Automated Information System for Computer Based Information system in Agricultural sector in Uganda. The system was developed using Hypertext Markup Language (HTML), Hypertext Pre-processor (PHP), Java scripting Language, My SQL Server, WAMP server, cascading sheet, Dreamweaver and web browser. These results show that the problem of a lack of appropriate and easily accessible agricultural information can be solved using a system. After the development of the system, information about farmers' profile who had registered, farm inputs as well as other information can be view and their locations easily identified. The portal is distributed system which various Ministries of agricultural and rural development in the country can adopt so as to have a database that contains all farmers' information and provide a platform that would provide seamless access to improved information and communication dissemination system in order to take advantage of ICT. Keywords: Information System; broadcast media; Agricultural sector; Agricultural Automated Information