E-AGRICULTURE MANAGEMENT SYSTEM SUPPORTING FARMERS ACTIVITY

[1]Said Ashutosh Harichandra,[2]Ghodekar Sumeet Sandip,[3]Aher Abhijeet Manoj, [4]Bhosale Sachin Bajirao
[1]Student,[2]Student,[3]Student, [4]Professor
[1]Department of Computer Engineering,
[1]Jaihind College of Engineering, Kuran(Pune),India

Abstract:Technological importance have been a great support for making decisions in various fields especially in farming. The growth of agriculture has been on under development for the past few years due to lack of Agriculture knowledge and ecological changes. The main aim of this paper is to accomplish farmers for their wakefulness, usage and observation in e-Agriculture. The study used numerical investigation design technique to collect data from farmers for their awareness in e-Commerce. The results obtained indicate the level of awareness is less such that there is a need for e-agriculture for their support. E-Agriculture is a stage for supporting marketing of agricultural products.

Index Terms **- Agricultural Products, E-Agriculture, E-Commerce, Awareness.**

I. INTRODUCTION

India is moving towards an agriculture emergency due to inadequate investment in irrigational and agriculture transportation, poor attention, not effective land management, non-given of fair prices to farmers for their crops and insufficient land reform in India, etc. Food production and production development in India is declining while its food consumption is increasing. The situation has further been make or become worse due to use of food grains because of demand of bio fuel. As India does not have port and logistical systems for large - scale food imports, the resolution of import of food grains would be not easy.

Food wastage is increasingly becoming a topic of concern due primarily to the negative impact it has on the economic and agricultural industry. Research has shown that in Finland, households seems to be the highest producers of food waste and some of this, is as a result of food being disposed because they are expired.

II. PROBLEM STATEMENT

The agriculture sector in India is currently facing a difficult phase. India is moving towards an agriculture emergency due to inadequate investment in irrigational and agriculture infrastructure, lack of attention, ineffective land management, non-given of fair prices to farmers for their crops and insufficient land reform in India, etc. Food production and productivity in India is declining while its food consumption is increasing. The situation has further been worsening due to use of food grains because of demand of bio fuels. As India does not have ports and logistical systems for large - scale food imports, the solution of import of food grains would be difficult.

III. GOALS AND OBJECTIVES

- Maximum profit
- Transportation avoid
- Lose of food damage

IV. PROPOSED SYSTEM

For improving agricultural efficiency an expert agricultural advice is given to the farmers both in timely and personalized situations. Here, in this structure agricultural expert generate the suggestion by using the recent agriculture which is highly knowledge intensive which also requires timely, consistent and perfect information on innate resource endowments and their Usage patterns at current and expectations technology available for their utilization and other information about market, climate, insurance, funding, etc. For improving farming productivity an expert agricultural advice is given to the farmers both in a timely and personalized situation. Here, in this structure agricultural expert Generate the suggestion by using the recent agriculture which is highly knowledge intensive which also requires timely, consistent and perfect information on natural resource endowments and their usage patterns at current and expectations technology.

4.1 System Architecture

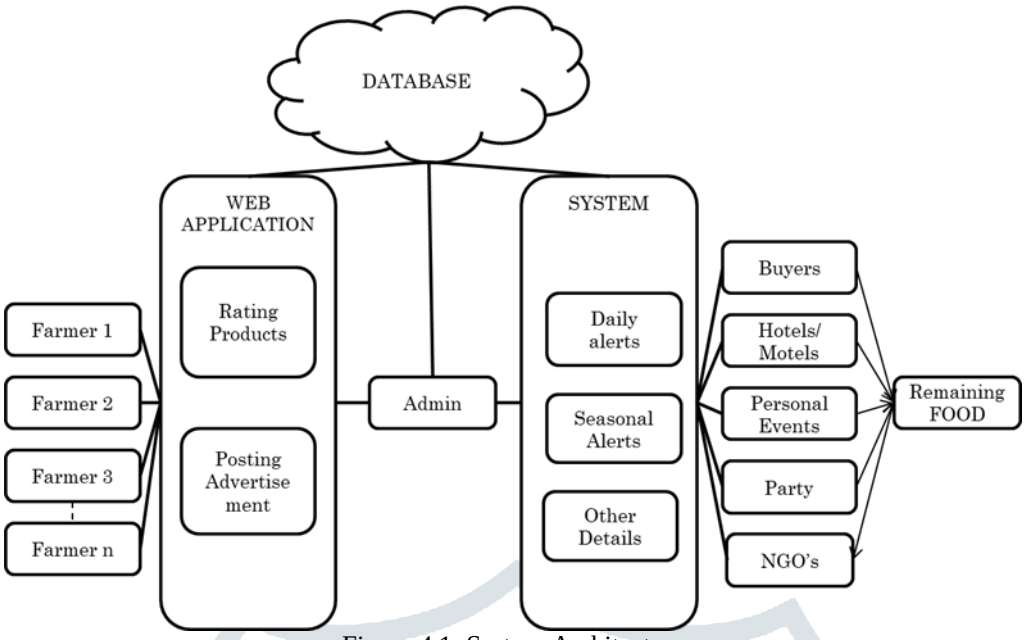

Figure 4.1: System Architecture

4.2 Minimum Requirements:

Hardware Requirements Specification :

There should be required devices to interact with software.

- Processor : Intel Core 2 Duo 3.6GHz or Higher.
- Hard Disk : 500 GB.
- Ram : 2048 Mb.
- Display : HD Monitor
- Graphics : 1 GB or Higher.

Software Requirements Specification:

- Operating system :Windows 7 or higher versions.
- Coding Language : JAVA/J2EE,XML.
- IDE : Java Eclipse and Android Studio.
- Web server :Apache Tomcat 7.

V. Conclusion and Future Work

Based on the results obtained from the over, the following conclusions were prepared: Majority of farmers in the condition or country is not aware that mobile phones can be used to conduct businesses and collect information. Mobile phone costs should be lower to enable majority of farmers for having access to the current information about agribusiness within the state or country. E-Agriculture has not been implemented because farmers in the country have not been sensitized about it & young farmers were in lack of information about the agriculture such that e-agriculture might provide them useful information's regarding the plantations that they have grown. The government should also carry out sensitization to create awareness for the farmers on how best they can use information technologies to conduct agribusiness. Illiteracy among farmers in understanding message is also another factor that pertains the usage of technology in agriculture, to overcome this it is necessary to create awareness

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