

A Progress Paper on Kisan Agro Yojana

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ABSTRACT

We aim to focus on spreading awareness about the agriculture scheme, new farming technique, to access easily agriculture related documents such as 7/12, 8A in their villages, to provide crop related updated information. To guide suitable fertilizer for crop and updating with market rate information. Agriculture is considered to be a main occupation for a most segment of population. The agricultural field plays a major role in the India's development. There is a large gap between rural areas and information residing in agricultural knowledge center. E-agriculture is a rising field focusing on the improvement of agriculture and rural development through communication processes and advanced information and Technology.

Keywords : SMS gateway 7/12, 8/A, GUI interface, android , digital India, crop, E-governance

I. INTRODUCTION

Kisan Agro yojana is nothing but the internal technology we use it as a platform for providing information about agriculture and the agricultural schemes. The aim of this project is to spreading awareness of technology in farmers and villages it can not only improve the efficiency of farmers but also increase the transparency of government agricultural process. This system would be the medium of communication, which will try to communicate between users to technology, by accessing this system. Kisan agro yojana is all about the spreading awareness of agriculture schemes related information which are to be sanction by the government and also provide other usable information related to the agriculture sector.

Because farmers are facing major problems related schemes which are declared by the government for the needy persons, but because of corruption now a days they are not that much aware about that things. Now a days the situation is like that if a person do not having a computer, smartphone or any other smart

devices we can clear from that the person is unaware about all these things like weather forecasting, precaution for diseases , new farming techniques, newly updated market information and many mores like this.

II. LITERATURE SURVEY

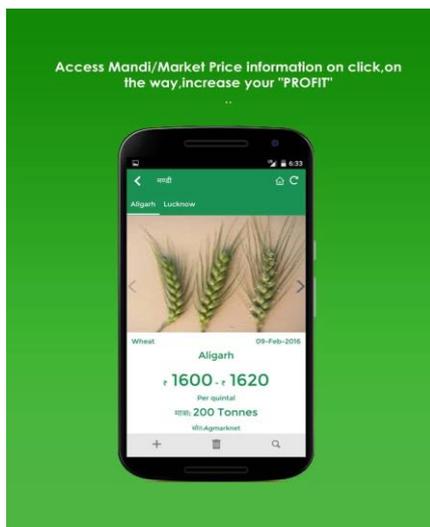
A. Kisan Suvidha

Launched by the PM Narendra Modi in 2016 to work towards empowerment of farmers and development of villages, the app design is neat and offers a user-friendly interface. It provides information on current weather and also the forecast for the next five days, market prices of commodities/crops in the nearest town, knowledge on fertilizers, seeds, machinery etc. The option to use the app in different languages makes it more widely accessible.



B. IFFCO Kisan agriculture

This app was launched in 2015 and is managed by IFFCO Kisan, a subsidiary of Indian Farmers' Fertilizer Cooperative Ltd. Its aim is to help Indian farmers make informed decisions through customized information related to their needs. The user can access a variety of informative modules including agricultural advisory, weather, market prices, agriculture information library in the form of text, imagery, audio and videos in the selected language at profiling stage. The app also offers helpline numbers to get in touch with Kisan Call Centre Services.



C. RML Farmer – Krishi Mitra

RML Farmer is a one of its kind agricultural app where farmers can keep up with the latest commodity and mandi prices, precise usage of pesticides and

fertilizers, farm and farmer related news, weather forecast and advisory. Its also provides agricultural advice and news regarding the government's agricultural policies and schemes. Users can choose from over 450 crop varieties, 1300 mandis, and 3500 weather locations across 50,000 villages and 17 states of India. It works with the help of specific tools designed to analyze or provide information on different aspects of farming habits. Eg. Crop Doc helps the farmers in identifying problems that affects their crops at the right time and suggests corrective actions; Farm Nutri provides general and personalized nutrient recommendations, which are presented in the form of a schedule of fertilizer dosage.



2.4 AgriApp

It provides complete information on Crop Production, Crop Protection and all relevant agriculture allied services. It also enables farmers to access all the information related to “High value, low product” category crops from varieties, soil/ climate, to harvesting and storage procedures. . An option to chat with experts, video-based learning, the latest news, online markets for Fertilizers, insecticides, etc. are also available on this app.



information. So they remain unsuccessful to utilize these schemes to full of their use. So we have developed a system which will aware farmers regarding newly updated schemes. And also provide SMS notification on farmer mobile. And help them to easily access agriculture related documents such as 7/12 and 8/A in their village itself. It will also provides crop related updated information, new farming techniques, daily. weather updates and will guide about suitable fertilizers for crops. And will provide information about farming Scheme and loan scheme. It will provide open source software in the form of Kiosk system and android application.

A. Architecture

This is the architecture of proposed system in which there are three modules are as follows:

- Admin
- Panel
- Android Application

In this system, farmer is the end user, they can use the panel as well as the android application. Admin plays important role in this system. Admin is one of the authorized person from Jilha Parishad and will handle and monitoring whole work of system.

Panel will be allocated to each and every villages in Wardha district. Android application contains more features than panel such as market related information and the person who will access the panel then sms gateway generate the sms on the user mobile as a notification.

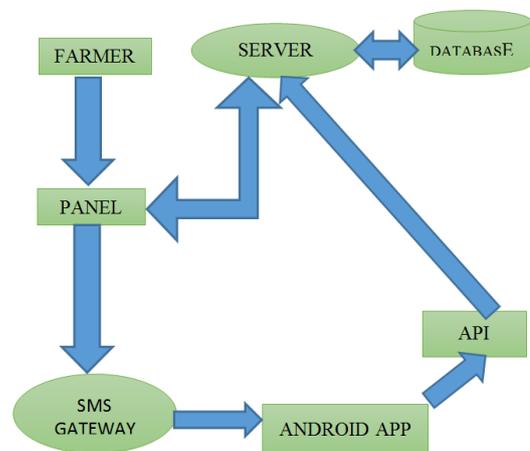


Figure 1. System Architecture

SrNo	Title	Author Name	Review
1.	An Overview on ICT for Indian Agricultural Informatics Development	Dr. Deshmukh Nilesh Kailasrao	Key Factor discovered for effective utilization of Information Communication Technology.
2.	Adoption of Information & Communication Technology (ICT) for Development of Indian Agriculture	Dr. Gaikwad Shridhar Tanaji Dr. Desai Sudhir B Dr. Kolekar A.B	The aim of this paper is to achieve farmers awareness, usage & perception in E-Agriculture.

III. PROPOSED SYSTEM

Traditionally the farmers were unaware about the new updated schemes which were provided to them by the government. In order to get the information about this schemes they have to visit panchayat samiti from where they don't used to get the sufficient

B. Working

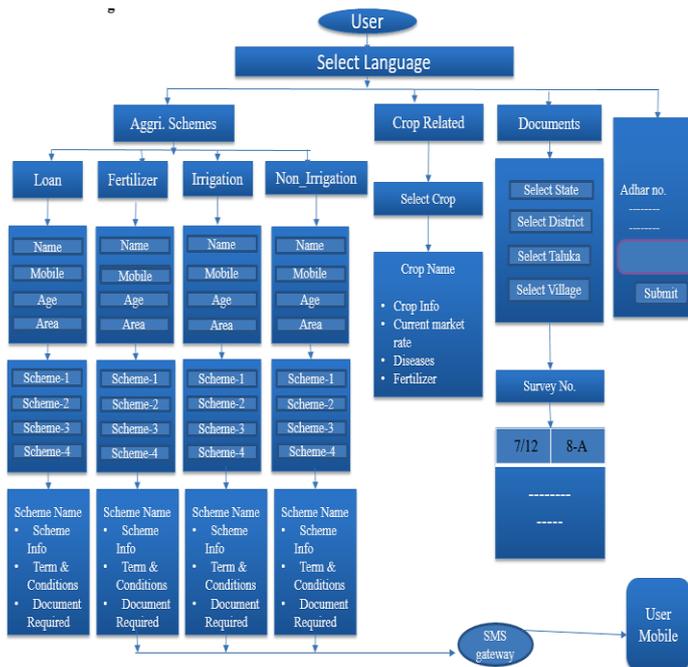


Figure 2. Data flow diagram

This system will be in the form of Panel we can call it as a kiosk system like other kiosk system, and also provides android application for any android users. System consist of all agriculture related information and that system will be accessible in their village itself. Farmers wasting their valuable time to come at district place for taking proper information about schemes but the people who are sitting in the offices they are not providing the proper information to them because of that they don't know how to apply for particular schemes, they will get tired after some specific time and they will not apply for any schemes and this is the real situation of most of the farmers.

If they want any agriculture documents like 7/12 and 8/A they have to wait for **Talathi** otherwise they have to come at district place if it will be urgent for them, from setu they can access these documents.

But we are going to provide a solution on this type of farmers' problem. We aim to focus on covering all the problems and will provide proper solutions for each and every problem. At least they will be aware about these types of things and they will be answerable to the corrupted people.



IV. CONCLUSION

This paper has examined the efforts taken for agricultural developments. This system provides beneficial information about schemes like crop scheme, fertilizer scheme, irrigation scheme, etc. which is officially declared by the government and also provides the document information which is required to apply for a particular scheme so it helps to reduce the travelling time of farmers. Another benefit of this system is that it gives all crop information, precaution of crop diseases, newly updated market rates. It will also provide documents like 7/12, 8/A in their village itself.

As we see now, these days everything is in a digitalized way, so this project will also help to the E-governance by spreading awareness about agriculture-related information in a digitalized way.

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