GoAgro - An Agriculture App

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ABSTRACT

It is an agricultural app that gives solutions to farmers in India. Go-Agro aims to disseminate useful information about improved technology to the farming community and service providers in rural areas. The major focus of the Agriculture sector presently in this app is to provide utility to farmers to concern about the fertility of soil as well as the fertilizers. To develop an android application, several technologies must be studied and understood. Client-side scripting techniques, implementation technologies such as Framework, languages and relational databases.

Keywords: Agriculture, Farming, Technology, Android

I. INTRODUCTION

Go Agro is an agricultural app that gives solutions to the farmers and students of agricultural studies in India. Go-Agro aims to disseminate useful information about improved technology to the farming community and service providers in rural areas. The major focus of the Agriculture sector presently in this app, is about Agricultural Policies & Schemes, Market Information.

Agricultural Based Practices, soil quality predictions, and fertilizers. So it provides soil analysis for all regions and suggestions on which fertilizers to use where and how much? And which crop, herb or vegetable to be grown where and in which season? It also provides the facility of generating the report of soil. This work is done on an online basis. An authorized agent would serve as a way for the farmers for soil analysis and report generation. This facility

reduces the manpower and resources. Farmers and Agents provided with a Unique ID for logging into their accounts leading towards secure access. Go Agro app would make all the things automatic which make it easier to serve as the best solution to all the problems. It also helps to get valuable information regarding soil and fertilizers and also crops. It also helps the agricultural students to get practical information regarding various crops. It also helps the farmers to get information regarding soil, crops in awareness programs being conducted in villages. It provides information about crops, fertilizers, and market details that are requested. Go Agro App is an application that will help farmers to perform the agriculture activities leading to achieve and increase their standard of living. This project is useful for farmers as well as agricultural students also. Through this project, we are providing those facilities to farmers who are lacking in their village. The villages are not well developed like cities that's why many

things are unavailable in villages and have to go to cities to make that thing available.

II. Existing System

The previously existed systems where farmers were able to get all relevant information on specific subjects around their village/block /district or state. This information was delivered in the form of text, SMS, email. Farmers were also able to ask specific queries as well as give valuable feedback. Several services also provide news, market prices, technical advice, opinion and a range of vital interactive services for farm businesses of all shapes and sizes. It welcomes farmers and agri-business professionals helping them to find the latest agriculture information, farming news. There is a service named AgWeb is a source for agriculture news online which provides the latest articles on Corn Growing, Soybean Farming, Crop Farming, and live future trading information. But these systems do not provide soil testing reports as well as sales and purchase of fertilizers online. The major drawback of existing systems is that they only include informational websites and do not provide actual door to door facility.

III. Research and Findings

India is an agricultural country where 70 % of its rural households still depend primarily on agriculture for their livelihood. To succeed in taking the crops for the country and the livelihood the major aspects are the quality of soil and the usage of fertilizers. Around 66.46% of the Indian population still resides in rural areas and facing problems such as unavailability of soil testing laboratories so that they need to travel to the nearby cities or the soil remains untested. Another major problem faced by these farmers is the unavailability of the specific fertilizers required for taking the specific crop. For this again they need to

travel to the urban regions which are near to them. Hence the problem is how to get rid of these situations facing by the farming community.

IV. CONCLUSION

By this project, we provide various information required for farmers and agricultural students and also providing solutions to them about queries posted by them. This makes agriculture more eco-friendly and this portal is very useful to farmers and agricultural students. Go Agro app would make all the things automatic which makes it easier to serve as the best solution to all the problems. Go-Agro provides the utility by which farmers can easily buy fertilizers for crops online which are unavailable in that region.

V. REFERENCES

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