APP TO CONNECT FARMERS WITH FPI AND RETAIL

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Abstract— The project entitled "App to connect farmers with FPI and retail" has been developed for providing assistance to farmers to distribute good price between farmers and retailers. The app is also developed to provide tips for storing excessive production. Agriculture is the backbone of Indian economy. The users in India are using new technology pesticides and fertilizers but using old style of farming techniques. The existing system actually gives adverse results like poor harvest, polluted farming land etc., the most cause for this is often lack of awareness about the new farming techniques and precautions need to be taken. The proposed app helps the users by providing fast yielding techniques and information about agriculture. If any Users need some suggestions and help they may send the query. These queries will be solved and solutions will be posted. The app will provide information about cropping periods etc. with the interactive solutions. For easy understanding, communication forum will be added to the application, so that users will find it useful. The system will be designed in such a way that it will contain modules for managing crops and for providing information about natural fertilizers. Especially the alert feature are going to be added within the proposed system. When a user posts a query, system will reply through mail**.**

Keywords— e-agriculture, mobile application, smart farm.

INTRODUCTION

This Agriculture is that the primary occupation of the larger a part of Indian population. 65-70 you look after Indian population is being depends on agriculture for his or her living. Today farmers are receiving diverse facts or information about faming like seeds, crop selection, crop processes weather, fertilizer, pesticides etc. New opportunities are shaped by smart phone technology for farmers. Farmers are capable with a coffee cost smart phone and therefore the particular software to realize facilities which couldn't available on their hands before. Farmers often struggle for basic information like weather updates, crop prices, crops information and expert advice, ending up soften relying on hear says. The overwhelming majority of Indian farmers, which incorporates small-scale producers are often unable to access the knowledge and technological resources that would increase the yield and cause better prices for their crops and products.

EXISTING SYSTEM

Agriculture may be a way of life, a practice, which, for hundreds of years, has shaped the thought, the outlook, the culture and economic lifetime of the people of India. The advent of recent technologies at the start of the last century has brought in development of varied technologies, which has substantially increased the yields of varied crops. The system is readily accepted that increased information flow has a positive effect on the agricultural sector and individual firms. However, collecting and disseminating information is usually difficult and dear.

DISADVANTAGES

In the existing system farmers faced lots of problem faced through climate change, flood, heavy rain etc.. Mandis charge higher prices from retailers and FPI. Farmers are paid low prices by Mandis. There is no communication between the farmers and food corporation/ Agricultural officers. The users in India are using new technology pesticides and fertilizers but using old style of farming techniques.

PROPOSED SYSTEM:

App to connect farmers directly with food processing industry and retailed (Ministry of Food Corporation) is playing an important and vital role in agricultural production and marketing. The system allows farmers to save time on order and delivery and getting feedback.

ADVANTAGES

The development of new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach. Farmers' (Users) crop database must be managed. The database includes the sorts of crops, the dimensions of cultivated area, time of harvest and yield. Through the app, farmers can directly communicate with the food corporation/ Agricultural officers. The app will provide tips for yielding, weather alert, food storage information, trading cost information etc.

MODULE DESCRIPTION

User Registration Module

The system has a process of registration. Every Agricultural user need to submit the complete details in the form of registration. Whenever a user registration completed administrator need to approve the registration. Then only user can get log in into the system by using their user id and password.

Administrator Module

Admin should also have rights to accept the registration of the users based on their profile (unless users should not able to login to the site). Similarly admin should

also have rights to accept the registration of farmer's registration also. Admin manages the entire app.

Government Loan Details Module

Nationalization of banks was a serious step for channelizing credit to varied sectors of economy of which agriculture may be a major sector. A dynamic and growing agricultural sector needs adequate finance through banks to accelerate the general growth.

Insurance Details Module

Crop insurance is purchased by agricultural producers; including farmers, ranchers, and other protect themselves against either the loss of the crop thanks to natural disasters, like hail, drought, and floods, or the loss of revenue thanks to declines within the prices of agricultural commodities. The application contains the following insurance Information.

News Module

News can be published like government loan details, crop details and insurance details etc. Information about major crop markets (mandi) and their current price for crop should be published daily through this module.

Query Module

Only authenticated users can access this module. After login users can post their queries through this module. While posting query, query ID will be generated which can be used for their future reference.

Reply Module

The users are authenticated to the app can login and provide replies to the queries by providing the credentials which they got at the time of registration. Users can provide the solution to the Queries given by the Farmers and users who are interested in agriculture.

CONCLUSION

Today mobile devices are used frequently by everyone, including the farmers and countryside people. The traditional methods used by the farmers, peculiarly in India, are very slow and undependable. The large amount of crop is getting damage in the field due to the bacterial attacks and lack of information resources. This will effectively help farmers to sell their product in global market and earn remarkable profit.

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