isrjournals

International Journal of Advanced Research in Computer Science Engineering and Information Technology

Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

FARM TO HOME

M Goudhaman [1], Nadar Vaishnavi Ponniah [2], Nivetha J[3], Priyadharshini S[4]

Assistant Professor, Department of Computer Science Engineering, Jeppiaar Engineering College, India[1].

Student, Department of Computer Science Engineering, Jeppiaar Engineering College, India[234]

ABSTRACT—*The project **'FARM TO HOME'** is initiated to provide all the information to the new farmers as well as agricultural students. This project gives the information which help to tackle problem based by consequences. It helps to identify humidity, soil quality, and fertilizers, specimens which could be used to cultivate and harvest and make pollutant free soil i.e., maintain the quality of the soil. It helps the agriculture students to straightly communicate with farmers in the help of video call. It helps to find the percentage of fertilizers used in the soil and improve growth of the crop. The farmers own profile and the password. They are very secure. we can post our queries in the comment box and they are straightly forward to the officer. It helps to know the daily market price of crop and fertilizer.*

In our day-to-day life we consume food and our survival is based on mainly food. A considerable amount of our food is coming from farms and other means too. These farmers do their hard work for growing and serving many lives across the country, which pays for their source of income. But due to intermediates in the selling of their final products the farmers are unable to make their profit and mostly live poor.

By this project we will be able to connect farmers directly to the customer so that direct dealing of products can be accomplished. This will result in a significant decrease in the prices of the products currently available in the market as well as the profit will directly reach the farmer's pocket. We are surrounded by technology but there are many people who are still unaware of the benefits of this technology or its use, by the help of this project and the support for the awareness of the projects many farmers will be able to use as well as will be taught how to use this application with its benefits.

I. INTRODUCTION

"Content is fire, Social media is gasoline." - Jay Baer. Similar to this quote, product is fire, Online marketing is gasoline. At once both in contact results in drastic explosion.

This is the agricultural portal which provides solutions to small farmers and agricultural students. As we step forward into the modern era of technology, we may find many engineering related applications very beneficial for improvements into the society. This is the world of technology where people use smart phones for completing their daily tasks like shopping, paying bills, managing work and much more. The idea of this project is to add its features into the lives of the people so that the food which they buy can be bought directly from the farm so that the profit can reach directly to the farmers. It also helps the customers to buy the fresh fruits and vegetables directly from the farmers without any interruption It also helps the farmers through NGO's to get information regarding soil, crops in awareness programs being conducted in villages.

Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

Because in India we follow a supply chain of farm product making things too much indirect for the farmers due to which the farmer still reaming poor and the intermediates are gaining profit which ultimately makes them rich. So, in order to break that supply chain of indirect sales, we can make use of this application so that the farmer can be connected directly to the customer and the selling can be done accordingly. Since the farmer will be dealing with the customer directly so the prices of the products offered by the farmer to the customer will also be affordable to customer, which will help both the farmer and the customer where the customer can save some money and the farmer will gain extra profit that he deserved.

II. LITERATURE SURVEY

There are several online web portals as well as android-based applications which are based on a similar idea. But most of them end up adding sellers as one of the intermediates which again starts the indirect selling chain of supply of the products.

For example, if we consider,

[1] Big basket (Online Shopping web portal):

In this website the products available are of different verity and may also differ in quality but most of them are from the wholesalers or retailers etc. Adding them into the selling process again decreases the profit margin window for the farmers due to which the intermediates gain high profit.

[2] My RML (Online Mobile Application):

In this application the products are from different areas, locations and states but most of the products were either having some specific brands or belonged to some of the wholesalers and retailers, due to which things again goes towards the favor of the intermediate even though the food may be of good quality.

Many of the users of the application faced the language problem in the beginning plus the basic nature of the applications and web portals made things too much easy on the same time lacked in many different features which were not covered by these online approaches due to which peopleare unable to make the full utilization of these online means of products.

Online books of the following authors:

I. Viraj patodkar,

II. Sujitsimant,

III. Shubam Sharma,

IV. Chirag shah,

V. Sachin godse,

Inspired by “E- agro android application (integrated farmer management system”.

Online magazines published by:

I. Prof.P.B.gaikwad,

II. Pallavi Malode,

III. Pooja pawar,

IV. Sangita Darade in her special mention of “E-farming an interface for Indian farming”.

Inspired by “https://www.codewithc.com/farmers-buddy-java-project/”

Additional reference: https://1000projects.org/farmers-buddy-java-project.html

III. PROPOSED SYSTEM

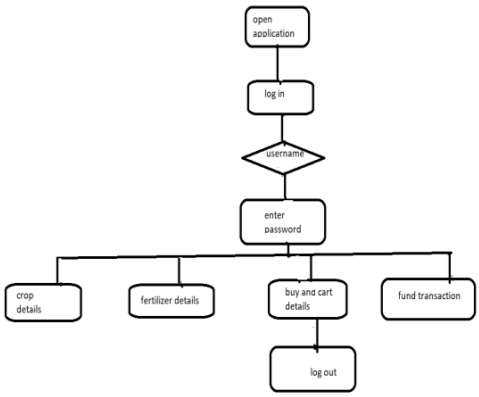
The system will be having only one User-name and Password section on the front page, as per the user-name and password the system will know whether user is Farmer or consumer.
Here are the points which are expressed in our proposed system.

They are as follows:

- Farmers can create new account, log-in to their accounts which will give them the authority to use the services provided by the system.
- Authenticated farmers can sell their product, and claim the profit of the sold goods from the consumers.
- On comparing the existing system, in this the current system it provides different access levels for security.
- Rich user interface is provided to interact with application which make us to feel comfort zone for our customers
- The customer’s shopping experience is similar to other online marketplaces.
- Customers can search for individual items which was separated in 2 categories alphabetically or by distance (short) bestselling and price (e.g., highest to lowest).
- Customers add items to their shopping cart and proceed to checkout by providing their contact information, shipping address and payment information.
- Customers pay for products purchased in the store catalog using their credit or debit cards or even cash on delivery (cod).
- User queries and answers are maintained appropriately.
- If user select as farmer option, then there is option with online buying and selling then he can directly go to sell his products.

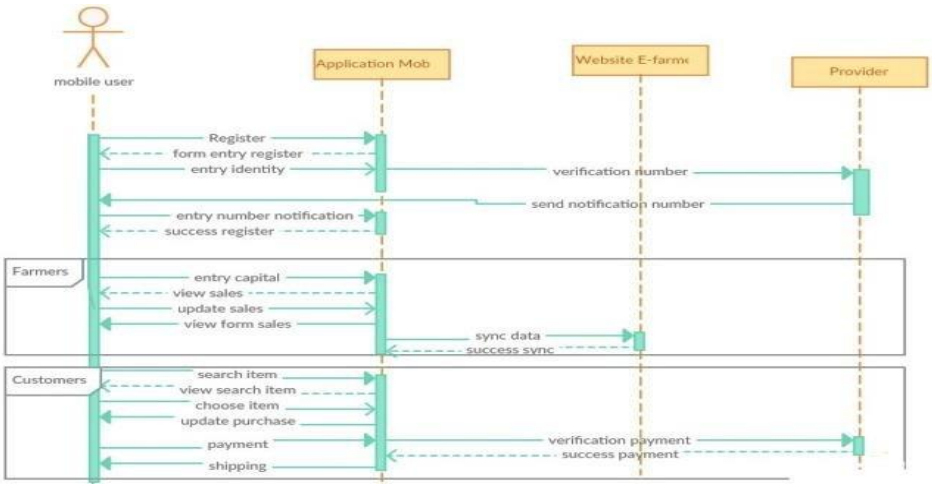
Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

IV. SYSTEM DESIGN



Agricultural land is typically land devoted to agriculture, the systematic and controlled use of other forms of life particularly the rearing of livestock and production of crops to produce food for humans. It is thus generally synonymous with farm land or cropland, as well as pasture or rangeland. The problem based on area of cultivation and the selling. We don't know how was the soil conditions and which crop is suitable for which soil this problem can be analyzed by the Non-NGO students with the help of this application. After the cultivation we know the crops and seeds can sell directly from producer to consumers lot of secondary producers can involve in this. To solve this problem we can implement one application called farm to home. In the context of zoning, agricultural land or agriculturally-zoned land refers to plots that are permitted to be used for agricultural activities, without regard to its present use or even suitability. In some areas, agricultural land is protected so that it can be farmed without any threat of development. The Agricultural Land Reserve in British Columbia in Canada, for instance, requires approval from its Agricultural Land Commission before its lands can be removed or subdivided.

SEQUENCE DIAGRAM

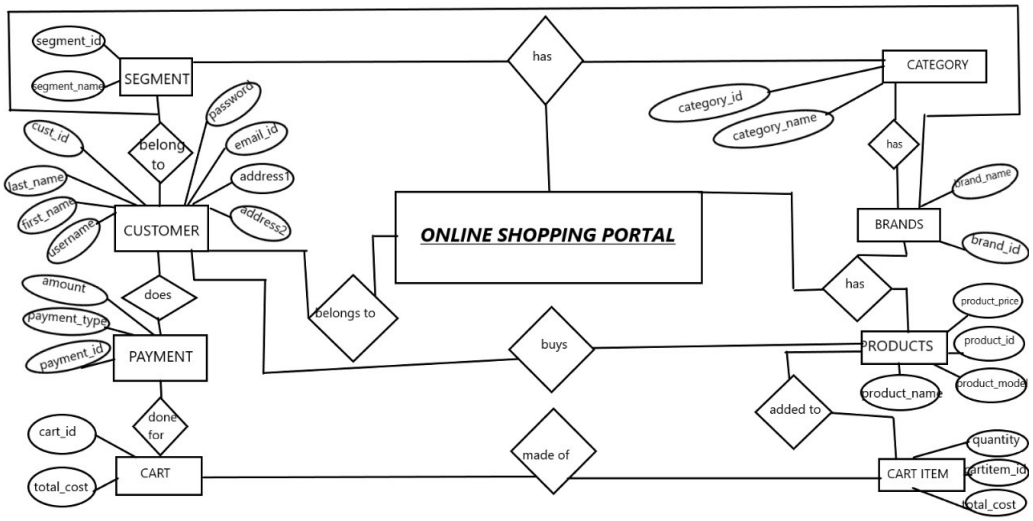


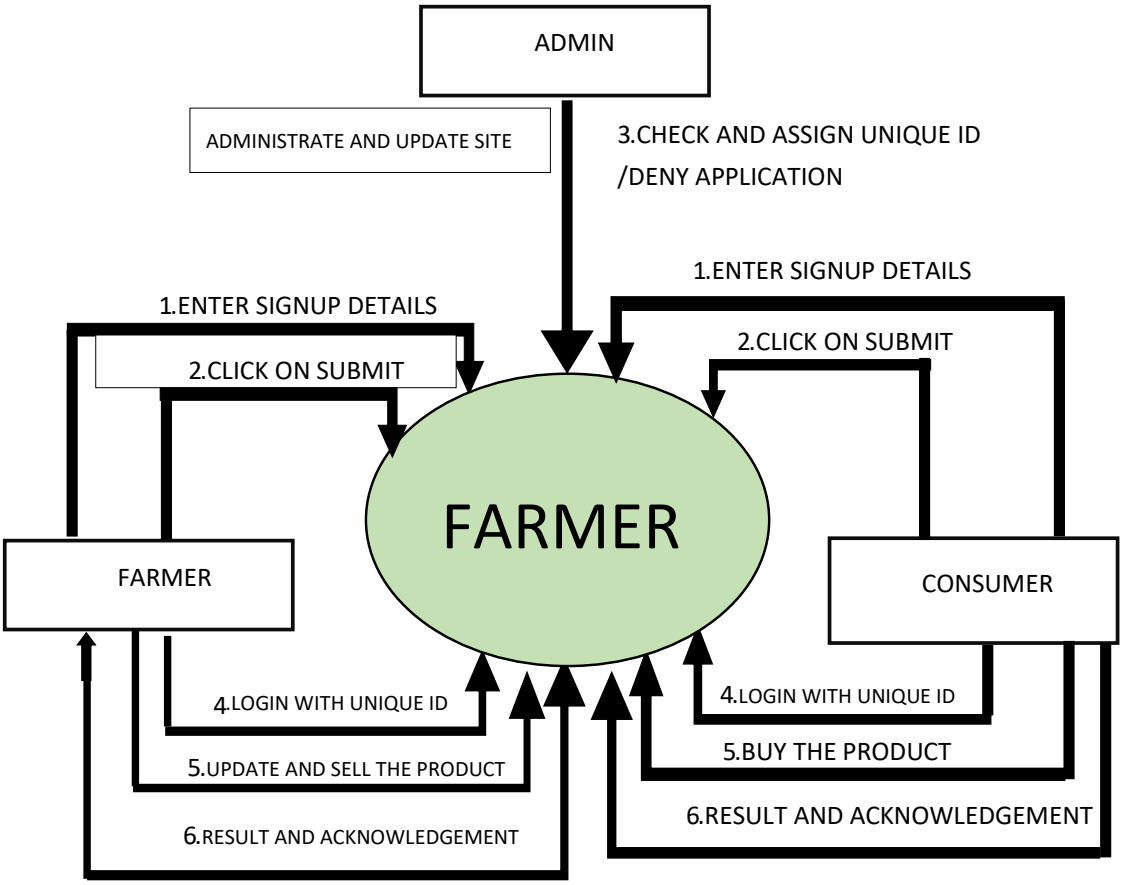
isrjournals

International Journal of Advanced Research in Computer Science Engineering and Information Technology

Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

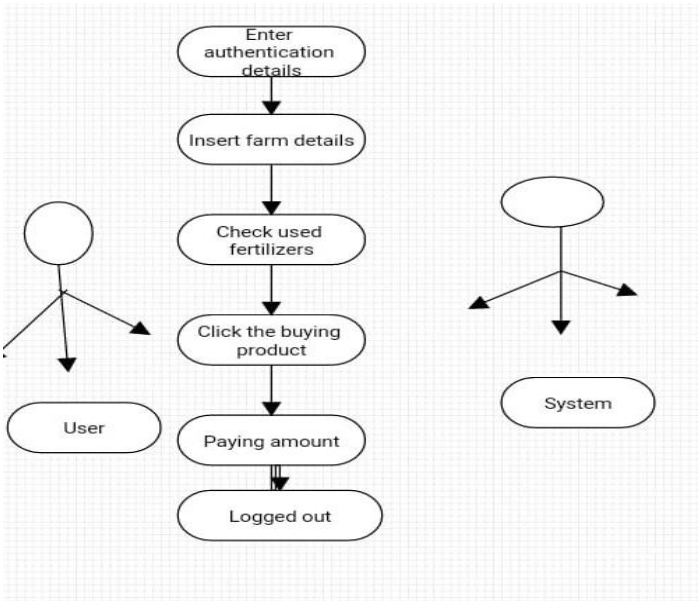
ER – DIAGRAM



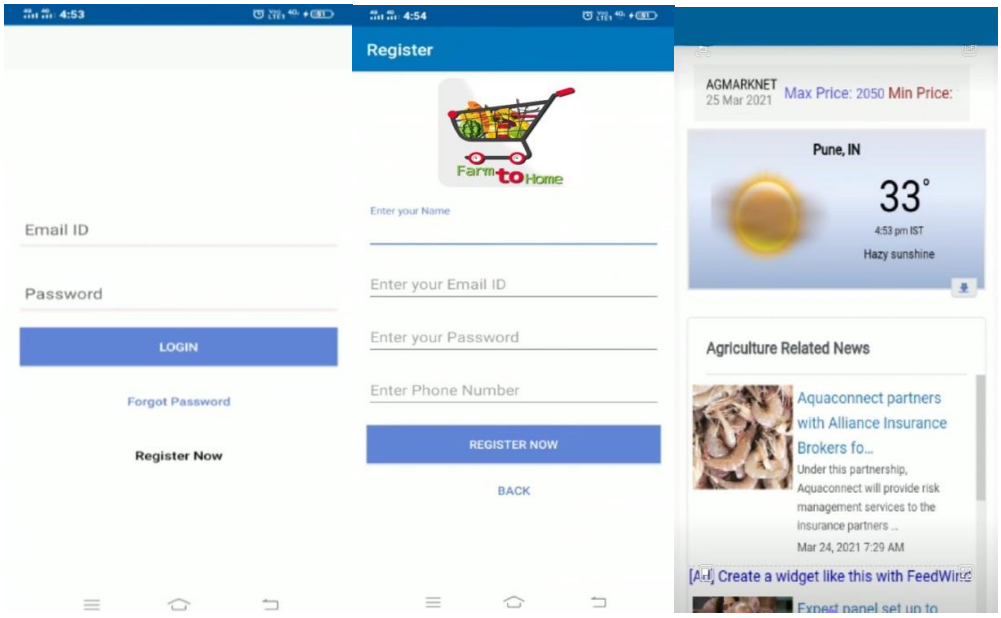


Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

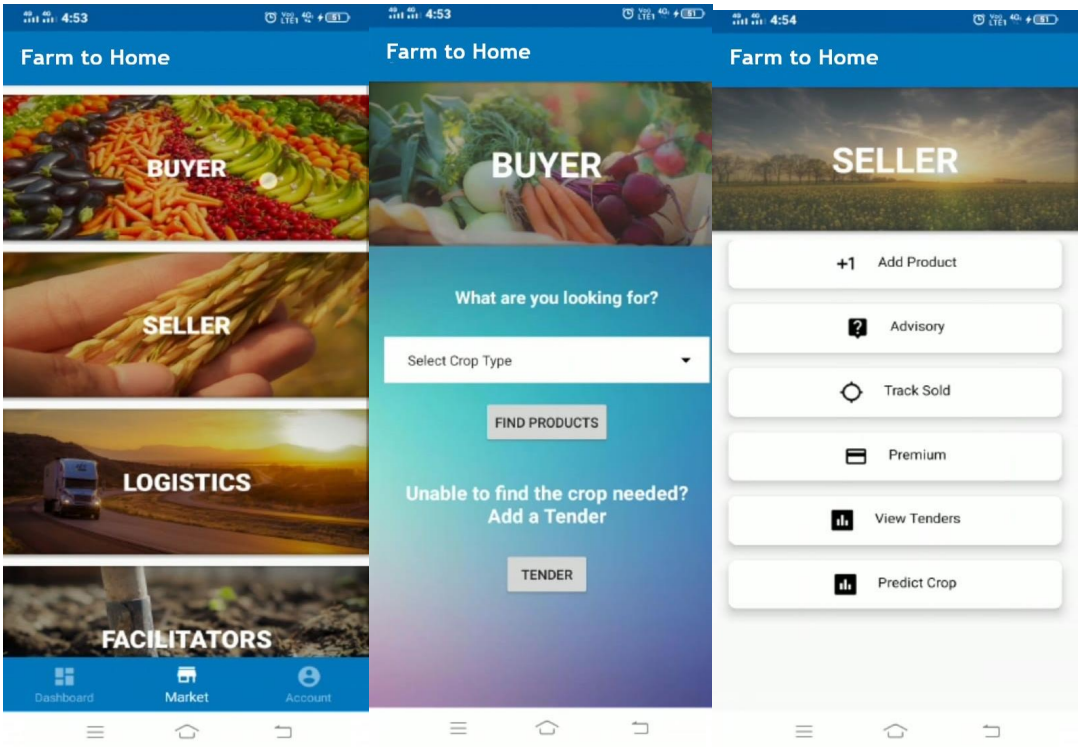
USE-CASE

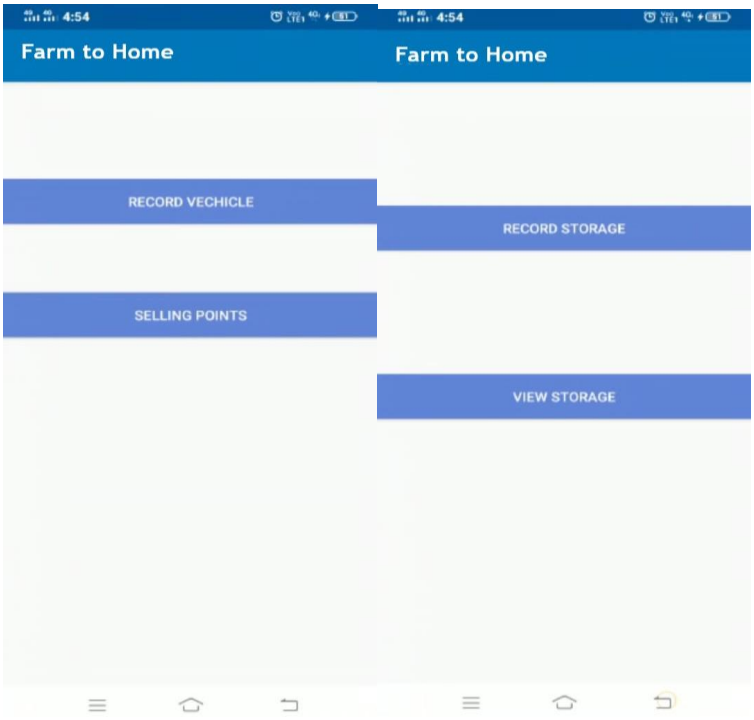


V. SNAPSHOTS



Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

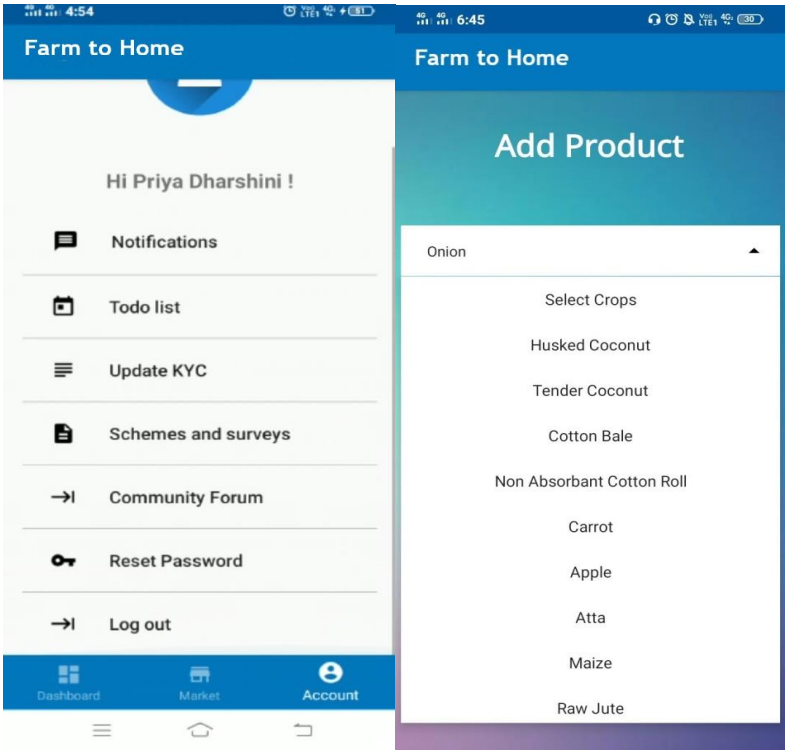


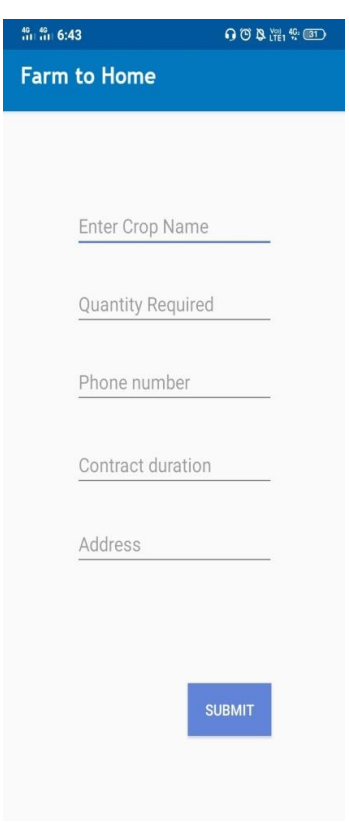


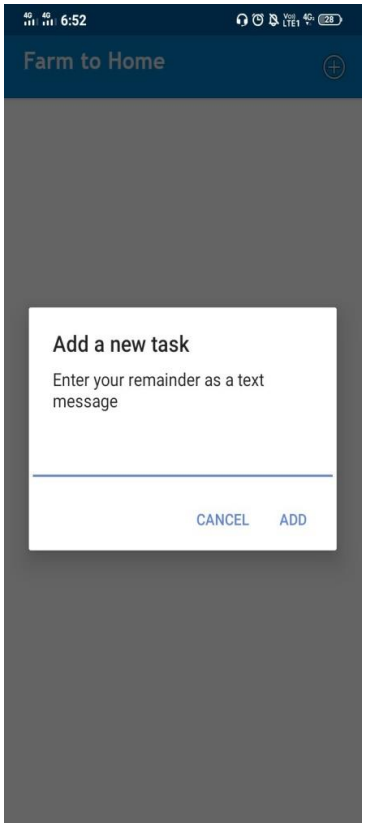
isrjournals

International Journal of Advanced Research in Computer Science Engineering and Information Technology

Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337







State	Schemes
Andaman and Nicobar Island	Supply of inboard/outboard engines at 50 per cent subsidy
	Fodder Development Programme
Andhra Pradesh	Polambadi
	Seed Village Scheme
	Rashtriya Krishi Vikas Yojana
	Economic Assistance (Bankable Scheme)
	Scheme of Development of Primitive Tribal Groups
	National Horticulture Mission
Chhattisgarh	Chatragrih Yojna
	Book Bank Yojna
Goa	Development of Agricultural Extension
	Development of Manure Scheme
	Soil and Water Conservations Scheme
	National Horticulture Mission Scheme
	Cultivation of Red Oil Palm (ISOPOM) Scheme
	Agricultural Research & Education
	Scheme for Integrated Horticulture

Volume: 6, Issue: 3,Special Issue: 2 ,May,2021 ,ISSN_NO: 2321-3337

VI. CONCLUSION

By this project, we provide various information regarding soil, crops, fertilizer for farmers and also for the agricultural students.

It also solves various queries posted by the users.

It makes agriculture more eco-friendly.

This project will be helpful for farmers to know more about market information; will act as unique interface of schemes and compensation. Through this they will be always in touch of new technique and trends of farming. But some extends, new user may feel some kind of stress about its use. Overall this system is faster, secure and comfortable. The paper speaks about the project in which we took the idea that will make every farmer reach the homes in their nearby locality or cities by the medium of this web portal and application.

VII. FUTURE ENHANCEMENT

Training facilities also can be provided for users regarding technologies that can be used in farming. Tractor, worker for the farmland with the surrounding working people. The users can also post their queries regarding any of the information that can be answered by the officers.

GPS tracking system has become advanced a lot from last some years. GPS trackers are now available in various shapes and sizes with several features, from standard GPS tracking devices to computer USB attachments to mobile phone integrated devices. Importance of GPS is increasing day by day due to the uses and feature it has the regular updation of

Now a days everything came into commercial thing in online. Adding to above updates we planned to add the field workers profile. Farmers can choose whomever they want for the right pay. We believe those updates will also help the farmers in several ways. It might reduce their work pressure and timing for the better production to serve the society.

We have implemented the chat option, guest login, multiple language as additional features to the system making system more user friendly. By the help of this portal people will be able to get fresh food to eat and will be able to explore parts of their nearby villages for picking up their purchases and exploring the place establishing relation with farmers and gaining profit by saving their money, adding profit directly to the farmer helping farmers.

VIII. REFERENCE

1) Online books of virajpatodkar, sujitsimant, shubamsharma, chirag shah, sachingodse,"eagro android application (integrated farmer management system)".
2) Prof.P.B.gaikwad,PallaviMalode,poojapawar,sangitaDarade "E-farming an interface for Indian farming" have been published on online magazines and E-books.
3) Agricultural marketing information and research network. (agmarket.nic.in)
4) A Modern Farming Techniques using Android Application by Santosh G.Karkhile , Sudarshan G.Ghuge - IJIRSET 2015.
5) E-agriculture: A Golden Opportunity for Indian Farmers by L. Pradhan, B. B. Mohapatra
6) National Institute of Agriculture Extension Management, Hyderabad
7) From the online books of virajpatodkar, sujitsimant, shubamsharma, chirag shah, sachingodse,"eagro android application (integrated farmer management system)"2015[1]
8) Prof.P.B.gaikwad,PallaviMalode,poojapawar,sangitaDarade "E-farming an interface for Indian farming"2015[4]