

ANDROID APP FOR FARMERS TO SELL CROPS IN REGIONAL LANGUAGE

K.T. Ganesh Kumar¹, Gunna Kamal Abhishek², Patchigolla Gowtham Karthikeya³

^{1,2,3}U.G Student, Department of ECE, Sreenidhi Institute of Science and Technology, Hyderabad

Abstract- At present scenario in our daily life, the internet and mobile are available for everyone at affordable cost and have become a part of our lives. There are lot of things that can be done using the internet. It's evident that the internet is driving our lives. The integration of such technology with agriculture can enlighten the present practices. In our daily life, we consume food, and our survival is based mainly on food. As we know a considerable amount of food is produced by farming and in other ways too. Our farmers work hard to grow the crops and serve lives across the country, which pays for their source of income. They are depending on intermediates to sell their final products and they are remaining unprofitable. So, the main aim of this paper is to connect farmers directly to the customers to sell their final products without intermediates. This may result in a significant decrease in the prices of products available in the market and make a good amount of profit for farmers.

Key Words: Agriculture, crops, farmers, consumers, regional language.

1. INTRODUCTION

As technology is increasing in this modern era, we may find many applications that are beneficial for society. On the present-day scenario, in this world of technology people, uses smartphone and internet for completing their daily tasks like shopping, payment of bills, managing work, etc. The ultimate aim of this project is to add features to the lives of people, so that, the food they can buy will be bought from farmers without intermediates. So this may help the farmers to get their profits. Because, in our country, there is a big supply chain of farm products which makes things too indirect for the farmers and making farmers still poor and intermediates are gaining profits and getting rich. To break this supply chain of indirect sales, we can make use of this android application, so that farmers can be connected to the customer directly and the selling can be done accordingly. Since the farmer will be dealing directly with the customers, so the prices of the products offered by the farmers to the consumers will make them to afford, which will help both farmers and customers where customers can save money and farmer will get the extra profit that he deserved.

1.1 Objectives of the project

The main goal of the project is to connect farmers and customers across the country so that they can get together and will be beneficial for both ends. The objectives of the project are:

- Connecting farmer to the Customer via the application.
- Regional language optioning to make accessible to everyone.
- Providing knowledge to the farmers by means of government schemes available to them in their regional language.
- Providing transport facility for the customer who bought a product from the farmer.
- Phone call option for Farmer and Customer.
- Crop details entered by the farmers are stored in the database.
- Provide weather forecasting.

2. EXISTING SYSTEM

There are many online web portals as well as android applications which are based on 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):** On this website, the products available are of different variety and may also differ in quality but most of them are from wholesalers or retailers, etc. Addition of intermediates to the selling process again decreases the profit margin window for the farmers and increasing the intermediates to gain a high profit.
2. **MyRML(Online Mobile Application):** In this application, the products are from different areas, location s, and states but most of the products were either having some specific brands or belonged to a number of the wholesaler s and retailers. because of which things again go towards the favor of the intermediate although the food is also of excellent quality.

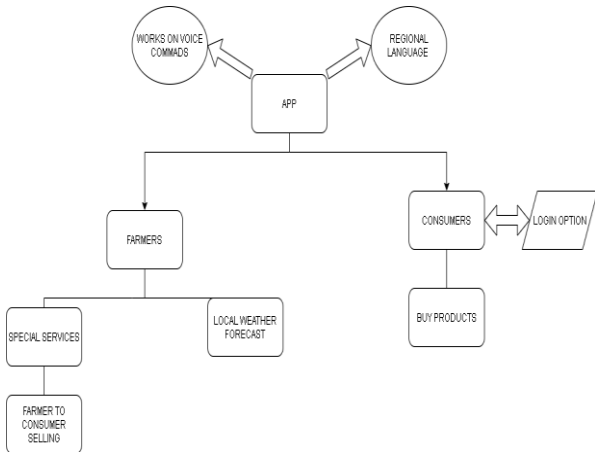
Most of the users of the application faced language problem and there are some features which are not easily accessed by users.

3. Proposed System

This proposed system will overcome all the disadvantages and will make beneficial for famers and customers.

1. System Architecture :

The basic system architecture show how the application functions and show the features that are available for both farmers and consumers.

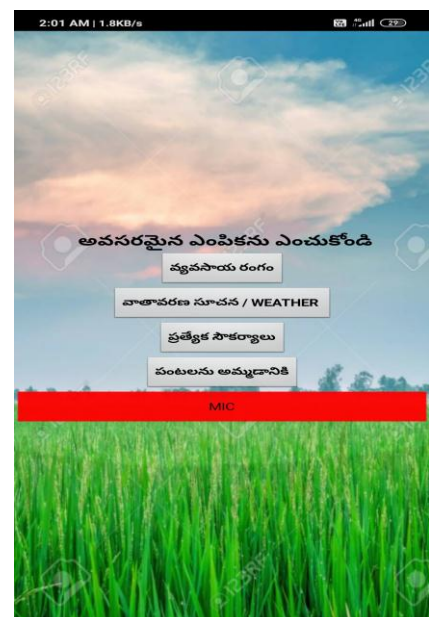


2. Farmer end User Interface :

Here the farmers need to enter the details of their crops, quantity, phone number, address. Since we aim to make this application accessible to all farmers we created this application in one of the regional languages(Telugu), which can be accessed by those region farmers. The farmers will enter the data using mic so it is very easy to access. The details entered by the farmers are stored in database with timestamp so that the one who registered first are displayed first at consumers end.



There are some additional features in this application which will help farmers to know about government schemes and weather conditions in their location.



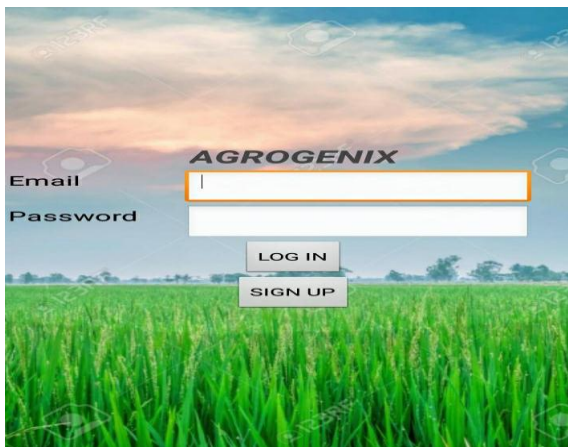


Within this system the farmer can update the crop details and able to check them.

3. User Interface :

At the customer end, they should register and login to buy any product from the farmers. In this application, the customers must register to browse in the portal for any product.

This is the same as that which we see on most of the online websites or portals available for the customers but the only difference is here the seller is farmer and customers can be hotels, small food stall or a common man.



After looking at all products in the application the consumer can call the farmer to decide the price of the products. If both are satisfied then the consumer should call the truck persons and should give his details and farmers details to the truck person and make payment to both truck person and consumer.

4. Hardware Requirements:

(For project development)

- Processor: i5 generation 8
- Ram : 4 GB
- Hard disk : 1 TB

(For User)

- Android version : 6.01
- Ram: 1 GB
- Storage space : 15 MB

5. Software Requirements:

- Operating system : Windows 10
- Front End : Android SDK
- Language : Java

6. Conclusions:

The paper speaks about the project which will help the farmers to sell the products directly without intermediates. In this, we have used some simple database and mic option to record the details of the products of farmers. We have implemented phone call option, login, and regional language as additional features to the system to make this application more user-friendly.

With the help of this application people will be able to get fresh food to eat and will be able to explore different products, maintain good relations with farmers, gain profit by saving their money and help farmers to get their deserved profit.

7. References:

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