Online Trading of Agricultural Products

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Abstract: During last few decades the agricultural products are marketed to the various places, distributors, retailers, and even to the customers. This entire process was carried out either through personal interactions or through telephony communication. The owners (farmers) were not getting the profit as it was intended. Finally the distributors retailers were getting more profit than the farmers.

In this paper, we are proposing an automated tool which provides the various details about the market, demand of the product, place so that the farmers can directly interact with different customers regarding the product type, quantity etc and can ship product to them. The price for each product is fixed based on the market trend by using this system one can maximise the profit.

Keywords: Agricultural products, end users, marketing.

I. INTRODUCTION
Indian economy has been dependent on agriculture for many centuries. Either directly or indirectly it is one of aspects of the economy which is the vital force for the growth of the nation. By the time there has been various changes in the particular field new products as well as new trading has been introduce in the market, market places has been replaced by the market spaces. Technology has been started playing a vital role in trading a lot other aspects of the agricultural products, in simple words most of the aspect of the agriculture India as changed. The Hindrance the literacy of farmers,a mobile being a common device now with this application we aim to make trading easier for farmers. This application is an Android and web based application for online agricultural marketing. This application brings out an innovative way to connect farmers and consumers. This clearly points out underlying rural distress and farmers facing difficult. In such scenario, This application takes out initiative in a right direction to reach the consumers directly.

A. Literature survey
The paper [1] talks about today's the cell telephone is utilized around the world. As the cost of advanced mobile phone is diminishing, its ubiquity is expanding step by step. In addition, android is the portable working framework utilized as a part of advanced mobile phone, the greater part of its applications are unreservedly accessible. android shows an "agriculturist overhauling" framework that will give the subtle element data of organic products, vegetables and blossoms in sound organization to the ranchers. This framework can give data utilizing android advanced cell from anyplace.

The paper [2] talks about that the dominant part of ranchers are not ready to offer their items at business sector cost because of absence of adequate data accessible to them, additionally the rural efficiency is being diminish because of the absence of data and resistance created by the agrarian colleges for such agriculturists to deliver and offer their items at business sectors based focused prices, information correspondence advances instruments have be benefited to them.
The paper[3] talks about the different key elements to know how much a rancher knows about rural use and view of e-agribusiness Trans Nzonia nation. In Trans Nzonia nation the study was led since it is the bread wicker bin of the whole nation. The vast majority of exploration has been led in this place, no examination has been led to find out the mindfulness, and to decide the momentum research patterns and appropriation of e-farming in transNzonia nation.

The paper[4] examines perception the history and characteristics of the Indian developing part, its turn from standard to business farming and the issue it faces. This article talk about a touch of the formative difficulties confronted by the Indian development parcel especially and making countries all around nonattendance of preparing, poor money related conditions, modernization inciting not valuable zone and cataclysm driving country sadness.

The paper [5] talks about Android versatile use in Agriculture is as the center parts to more accommodating to expand efficiency of products and in a roundabout way to build GDP of India diminish neediness. The fundamental difficulties for yield determination customary strategies. This is android application which will be helpful for ranchers and farming organizations for development of different sort of yields in different kind of environment. This advanced cell application is anything but difficult to utilize and in reasonable cost which will recommend most plausible coordinating yields to individuals as indicated by climate condition.

The paper[6] examines about different key variables found for successful use of Information Communication Technology for agrarian help up, at any rate at first glance. E-Agriculture is field focusing on the change of rustic and farming improvement through cutting edge data and correspondence forms. The improvement of farming has been on a work in progress for as long as couple of years because of absence of Agriculture learning and ecological changes. The fundamental point of this paper is to achieve ranchers for their mindfulness, utilization and observation in e-Agriculture moreover. E-Agriculture is a stage for supporting showcasing of horticultural items.

The paper [7] examines about Indian horticulture based creating nation. Data spread to the learning concentrated horticulture area is redesigned by portable empowered data administrations and fast development of versatile telephony. It overcome any issues between the accessibility of rural information and conveyance of farming yields and horticulture infrastructure. Apart from this, they are likewise valuable in our everyday exercises, for example, instruction, restorative and agribusiness. This paper investigates how Android Apps of rural administrations have affected the ranchers in their cultivating exercises.

The paper[8] talks about the android application that will give the Agriculture crop ailments data to the rancher in a sound configuration. Today's Smart telephones have changed the way individuals live, work and devour data nowadays. Diverse portable organization dispatch new PDA ceaselessly by including more up to date highlights. Android working framework is accessible as an open hotspot for engineer moreover. So this application once created is openly accessible to client from android market. From android advanced mobile phone client can get to farming data from anyplace whenever without the need of web administrations. As this application gives crop ailments data in sound structure utilizing nearby dialects, so it is profoundly helpful to neighbourhood and ignorant
rancher. Just by selecting the menu, diverse yield illnesses data will offer gave to rancher.

This paper[9] talks about the presentation, hypotheses and investigation of DBMS in agriculture. This anticipate goes for conveying the flash of 21st century to that 70% populace who are area admirers.

II. TERMINOLOGY:

Agricultural products: Products that are grown in the fields such as fruits, vegetables, seeds, pesticides, cereals and so on.

End users: person or organization that actually uses a product, as opposed to the person or organization that authorized, orders or pays for it.

Marketing: the action or business of promoting and selling products or services, including market research and advertising.

III. PROPOSED METHODOLOGY

The proposed system is here we aimed to design android and web application which connects farmers and consumers. This online application helps to buy agricultural products, local groceries through the app. We can also discover and connect with neighbourhood farmers directly and see real images of their crop.

The proposed system is explained using following diagram:

![Fig 3.1: Process of online trading agricultural products](image)

Admin-In this application admin will login with his username and password after the login successful Admin can add category such fruits, vegetables, grains, cereals, pesticides, and soon. So that the users can get the clear cut of the products that are available. Admin can view users details that the users who are all registered in to this application and the user details admin can view is user name, mobile number, place, and soon. And also the admin can view product details such as category, product name, cost, seller name, image, quantity, description soon.

User- In this module , user as to register in to this application after the registration only user can
buy/sell products otherwise user can only view the available products that are uploaded by the other users. User should login with his/her email id and password, after the login successful user can add product for adding product user should enter all the details such as category of the product, product name, cost of that product, quantity, description of that product, image/video of that product soon. After the successful of uploading the product this product is displayed to the other users. Users can view products which the other users are uploaded in this application. User can view the orders that are placed by the other users. The user who wants to buy the product he can view the product by clicking on to the specific product. By clicking on the buy button the order is placed to the other user who has added the product. User can even search items by entering the name of the product. After the process he can also logout of this application.

IV. SNAPSHOTS

Fig.1: Homepage of user

Fig.2: user registration

Fig.3: User Login
V. CONCLUSION

In this paper, we have proposed and developed an android based application through which we can able to provide necessary information to the farmers and to the buyers. Using this android based tool the farmers maximizes profit.

REFERENCES


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