Agriculture Equipment Rental Product & Selling App

Shruti Pawar, Samruddhi Pote, Komal Shinde, Shahin Siddiqui
Guru Gobind Singh Polytechnic-Nashik
Nashikshrutipawar1311@gmail.com, samruddhirpote@gmail.com, komalshinde32004@gmail.com,
shahinsiddiqui442@gmail.com

Abstract:-

Agriculture forms the back bone of Indian economy and there is always a need of supporting and improving it. Farmers will cultivate crops and other agricultural products. They want to sell their products according to the market price but lack of knowledge they will sell their huge amount of products for small amount of money to the brokers available in the local and customers will directly approach to the brokers because of this farmers are losing lot of money, they are getting cheated. Farmers may also rent machinery or farming equipment from other farmers when appropriate. Most of the day-to-day activities are done using mobile apps,even the same for the farmers. So, we can solve this problem using Agriculture Equipment rental & Product Selling System. We will create an android application off armer product Selling And Equipment Rental to solve this form of situation.

This study is based on the concept to fequipment rental & product selling. This application can help farmers can directly sell their own products to customer with no brokers. Customers can directly contact to farmers, Farmers can sell their own products retail or whole sale according to their quantity of production in the farming to the customer directly, To get aware of all these problems and to get knowledge to the farmers this application is needed and, To bring the choice to any kind off armer to create an environment that will let them buy or sell their agricultural products. This helps to find buyers and suitable sellers. It also allows farmers to select the best position on the market for the goods to be sold. We aim at developing an application hat farmers can get their equipment on rent and also check the availability and renting & Product Selling. We also allow them to book the equipmentinadvance.Italsohelpsustogetthetrackofequipmentthatareonrent.

We also aim at developing analytic for the state heads to make better availability of equipments and to keep track of the equipments as well, which could help in providing better support for farmers.It helps to ensure that agricultural Equipment Rental And Product Selling businesses are runeciently and handled transparently. We also aim at developing analytic for the state heads to make better availability of equipments and tokeep track of the equipment's as well which couldhelp in providing better support for farmers. This paper provides market information to a farmer using its easy interface on the mobile application. The mobile application is intended to be used for fast and updated information delivering system for farmers. Also,it has native language support to make the transaction easy for farmers. The mobile application treats farmers as a seller and a buyer.

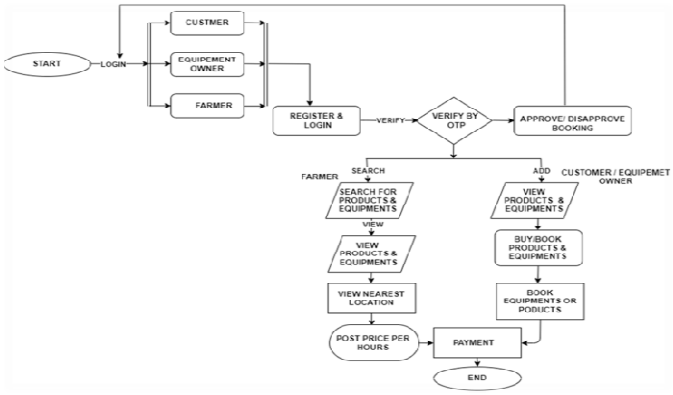
INDEXTERMS—Android App, Users, Market, Rental, Product, Agriculture, Android application.

1. INTRODUCTION

In this mobile application,farmers will hire agricultural equipment based on their needs and other mechanization at a normal price.In this application, we will choose agriculture by the farmer based on his demand. We will recommend hiring with other mechanizations. In this, we will use GPS to locate near by agricultural equipment based on farmer's requirements.This application will provide full detail about the agricultural equipment so that the farmer can choose a type of agricultural equipment the needs based on his requirements and can easily get familiar with it. To register the farmer with his details is necessary.In this android application a farmer just needs to register him self and then he'll be able to book agricultural equipment at the appropriate price.

This android application is an application that is accessed over a network such as the internet. In this system the user can register with details and get OTP for verification when another user can login and also check equipment by OTP verification process. The farmer can view nearby equipment in ascending order, which means view nearest equipment first and also view the far location of that equipment. It is necessary to add equipment details with deposit and price per hour of that equipment to that equipment owner.Both users can see the history and contact details of each other.Also our app helps farmers to sell products(processed food)to direct customers,customers can search products and order them, so farmers can deliver themtocustomers'doors.Twolanguagesareavailableinapp: English&Marathi.

2. PROPOSEDMETHODOLOGY



3 LITERATURESURVEY

Manyresearchershavecontributedtothisfield.Th ereareavarietyofMobileappdevelopmentsinthe marketplace,designedtomakefarmingeasy.Som emobileapplicationshavedesignedtospecifically provideinformationservicestofarmers.Inthiswor kvariousresearchpaperandMobileApphaverevi ewedrelated to agriculture sector.

Gauravjeet Dagar in his study stated that the fundamental motivation behind promoting data framework Marketing Information System (MIS) is to support farmer to understand the different marketing strategy which advertising basic leadership and showcasing endeavors of business people and agriculturists. TheAuthorsaidefficientinformationaboutthereal marketpricesshouldknowbythefarmerandifitwo uldbe available in a single platform then the farmer will get the benefit. In any case, the data is additionallyhelpfulfordifferentsortsofassociatio ns,forexample,government,advancementassoci ations,academicians,andscientists.Theaccessibi lityofauspiciousandexactdatatoeverysingleinve stedindividualisonsequentfundamental,regardle ssofwhetheritbegivenbytheadministrationitselfo rbythe private part. This paper investigates the different sorts of farming advertising data frameworks pre-dominantandendeavorstogiveawidepointofview onpromotingdataframework.Utilizinganillustrat iveapproach,itendeavorstoportrayapplicablehor ticultureadvertisingdataframeworks,andexamin ethemtocreatethoughtsandbitsofknowledgewhic hmightbevaluableforcreatingandfortifyingMISi nagribusinesssegment

4ADVANTAGES

.

- EnhanceBusinessProcesses
- Availability
- Transparency
- Userfriendly
- Flexibility
- Minimumtimerequired.

5DISADVANTAGES

a. SlowInternetConnection.
b. This system needs a smart android phoneandinternetconnectionforsearchingne arbyequipment.

6 FUTURESCOPE

Futurescopeofthisprojectwillincludedeployment of this application on a larger scale, bymaking it compatible with other applications andvariousotherplatforms.Thisprojectisfirstdeployed in a sub area of a city. Then for futurescope,itcanbedeployedin various other areasdepending upon the demographics and agriculturerequirement of that area. Various other features canalsobeprovidedtotheusersdependingonrequirementan dworkareaof the project. Apartfromfarmers,theownerofatractorcanalsoregister and make changes in their profile. In thefuturetherewillbemoreregionallanguagesincluded.

7 CONCLUSION

We have designed a mobile application. Our application is user-friendly, open source and is Free to use.It positively impacts the environmental situation by using fewer products more times. Concentrating on customer satisfaction and the four dimensions, “Reliability”, “Responsiveness”,“Tangibles”and“Quality”helps us to serve the users in a better man ner and thus give us a competitive edge over the others. By implementing the project, we conclude that the problem statement is totally being eliminated through the deployment of this project.And the objective is achieved through the android application.The part of our system has been developed with much care that it is free of errors and at the same

time it is ecient and less time consuming. The important thing is that the system is robust. We have tried our level best to make the site as dynamic as possible. Also provision is provided for future developments in the system. The entire system is secured. The main motive for the project was to provide a dynamic online farmers's management system to help farmers in every possible way and provide them as table plat form where they can perform every transaction with ease.This system will help farmers and users to get a better return.It protects the interest of both consumers and producers. The communication gap between farmers and retailers/will be reduced by the app as it will provide a plat form for farmers to sell their goods at ana ordable price

8 ACKNOWLEDGEMENT

We would like to express our deepest gratitude to our respected Mam Prof.S.S.Ripote for providing the project under her guidance.Her suggestions and support proved valuable in enabling the successful completion of our project "Agriculture Equipment Rental And Product Selling App**"**. We would also like to extend our gratitude to our respected principal sir Prof.Upasni,as well as respected HOD mam Prof.G.RJagtap whose encouragement was the main source of our energy behind this work.

9 REFERENCES

[1]GauravjeetDagar,"StudyofAgricultureMarketingInformationSystemModelsandTheir

[1] Implications",,AIMAJournal of Management&Research, ,Volume 9Issue 2/4, May2015.

[2] AgricultureEquipmentRental&ProductSellingSystem

[3] [3]Shakeel-Ul-Rehman,MSelvaraj,M.SyedIbrahim,"IndianAgricultureMarketing-AReview",

[4] AsianJournalofAgricultureandRuralDevelopment,Vol.2,No.1,pp.69-75(2012).

[5] [3]AbdulRazaqueChhachhar,MdSallehHassan , "The Use of Mobile Phone Among theFarmers

[6] forAgricultureDevelopment",InternationalJournal of Scientific Research (IJSR), Volume: 2,pp

[7]95-98June2013.

[8] [4]SurabhiMittal,GauravTripati,"RoleofMobile Phone Technology in Improving SmallFarm

[9] Productivity",AgriculturalEconomicsResearchReview,Vol.22pp451-459.

[10][5]HemlataChanneandSukheshKothari"Multidisciplinary Model for Smart Agricultureusing

[11]Internetof-Things(IoT),Sensors,Cloud-Computing,Mobile-Computing&Big-DataAnalysis"

[12] Int.J.ComputerTechnology&Applications, Vol6(3),374-382ISSN:2229-6093

[13][6]ShubhamSharma,VirajPatodkar, SujitSimant,ChiraghahProf.SachinGodse"E-Agro

[14]AndroidApplication"(IntegratedFarmingManagementSystemsforsustainabledevelopmentof

[15]farmers)InternationalJournalofEngineeringResearch andGeneralScienceVolume3,Issue1,

[16] January-February,2015ISSN2091-2730

[17][7]Sotiris Karetsos, ConstantinaCostopoulou, Alexander Sideridis "Developingasmartphone

[19]app for m-government in agriculture" JournalofAgriculturalInformatics.2014Vol.5,No.1