A Review On Using Android Application For a Modern Farming Techniques

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Abstract: Today mobile devices are used often by everybody, as well as the farmers and country folks. per observations of knowledge and Information Communication Technologies (ICT) mobile plays very important role in everyday life of farmers. The farmers, WHO were smitten by clouds for rain, currently are wanting into the Cloud Computing (CC) for his or her solutions towards cultivation of superior crops in today's trendy agricultural world. The normal ways utilized by the farmers, peculiarly in Asian nation, are terribly slow and undependable.

The big quantity of crop is obtaining harm within the field because of the microorganism attacks and lack of knowledge resources. Annually, such loss exceeds four-hundredth in total. So, the paper conferred here recommend numerous ways that during which a farmer will utilize Mobile Computing(MC) on their handsets victimization application referred to as "Kissan", to help them for comparatively higher cultivation and merchandise. the most awareness of this work is concentrated on Indian farmers because it addresses the key issues of obtaining the market updates of various product, weather updates and knowledge concerning the rain and additionally provides multiple language support. this may effectively facilitate farmers to sell their product in international market and earn exceptional profit.

Hence, this framework uses MHz, that in impact, puts power into a farmer's hand. The experimental setup uses tools like humanoid SDK. during this analysis Associate in Nursing humanoid primarily based mobile devices are used for testing.

Keywords: Information and Communication Technologies, Humanoid SDK, Cloud Computing, Kissan.

I.   INTRODUCTION

The agriculture is basic reason of production of food and stuff, that eventually is reason of survival of the population. In Indian most of the population depends on agriculture. However, there's conjointly have to be compelled to review and revitalize the mechanism for change the technology. within the approaching years agriculture can see major changes. not like the sooner 'green revolution' that had a foundation of advanced pesticides and fertilizers, currently the agriculture are going to be revolutionized with the assistance of technology. each developing economy has agriculture sector as irreplaceable pillar then will Republic of India. In Republic of India the agriculture sector contributes on the point of two hundredth of gross domestic product.

Either directly or indirectly, hour of total population of Republic of India depends on agriculture. The overwhelming majority of Indian farmers, which has small-scale producers, area unit typically unable to access the knowledge and technological resources that would increase the yield and result in higher costs for his or her crops and merchandise. The wide unfold network of mobile phones might be the sport changer during this downside. it'll place agriculture field to its celestial point.

The main purpose for such project is to develop a mobile primarily based answer that helps in farm management, ends up in agricultural yield improvement and helps in care/maintenance of the farms.

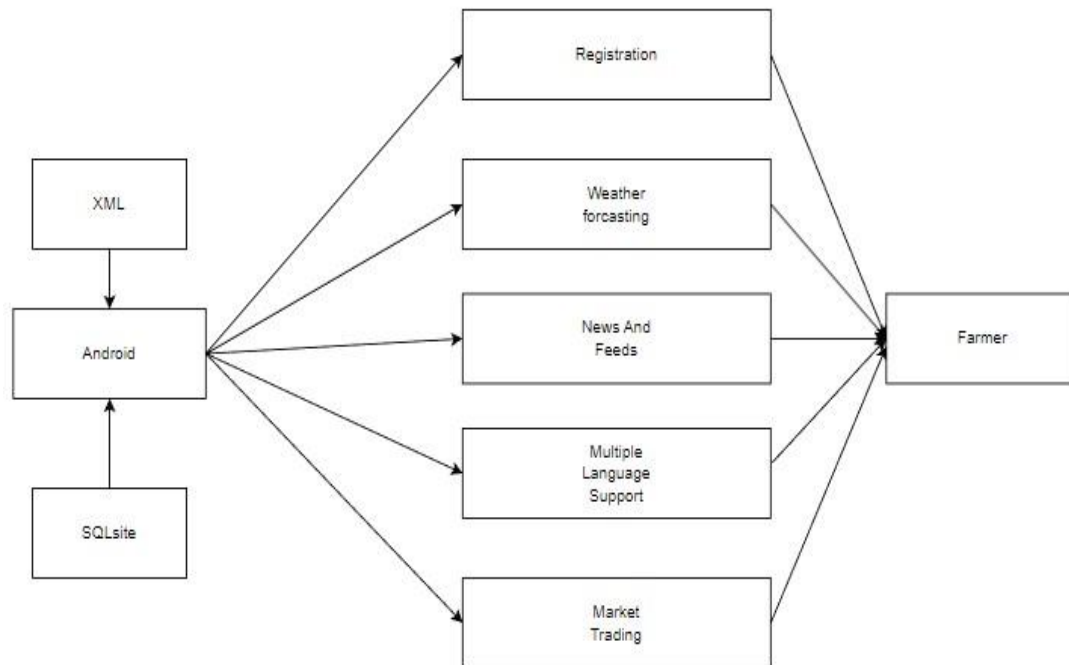## II. SYSTEM FEATURES

A. System Architecture:

Fig 1: System Architecture

B. Operations:

- Registration: registration kind can take data of farmer like farmers name, location of farmer by postal code for providing daily forecast report of that location, telephone number of farmer to relinquish the daily updates by text message.

- Weather forecasting: In forecasting report application can give forecasting report of explicit location ,and perfect location of farmer are taken from postal code that is already registered on registration page.

- News and feeds: In news and feeds application can give daily news updates of crop and alternative weather report. in keeping with location of farmer daily news are provided on movable that is already registered on registration page and additionally on application.

- Multiple language support: In multiple languages support application can give all data in varied languages in keeping with regions, like application can give all data in Sanskrit language, English, and Hindi etc. All the data are already hold on in numerous languages, simply user has got to press button of explicit language and data are displayed above all language.

- Market trading: Application can give daily updates and changes in costs of crops in market. This all data can give on mobile phones and additionally on applications home page

III. INNOVATION AND OVERCOMING PREVIOUS DRAWBACKS

Aim of contemporary farming technique victimization mechanical man app is to reinforce transparency within the agriculture trade goods marketplace by providing market value data, facilitating collective shopping for of inputs and collective commerce of manufacture. Farmers think about weather outlook to come to a decision as what work to try to

to these days and tomorrow. thus victimization this app that provides operate of weather outlook wherever farmer will question for the temperature and humidness needed for the actual crops.

•Advantages of contemporary strategies over ancient strategies of Agriculture

1.Traditional farming tolerated unannounced surroundings wherever as, fashionable farming give foreseeable surroundings by prognostication.

2.Traditional farming wants large amount of labour and varied activities to travel through for conducting farming. On the opposite hand fashionable farming doesn't would like large amount of labour since the mobile and machines beware of everything.

3.Modern farming techniques victimization mechanical man application area unit done a great deal quickly that brings in additional profit for farmers.

IV. METHODOLOGIES

- **Weather Forecasting:**

Weather forecasting is trot out science and technology to predict the state of the atmosphere for given time and for a given location. masses have tried to predict the weather informally exploitation their experiences.

Weather forecasts area unit created by assembling quantitative information concerning the present state of the atmosphere at a given place and exploitation scientific understanding of atmospherical processes to project however the atmosphere can modification, when 24hr or per week.This weather report can facilitate the farmers to require necessary call for his or her crops.

- **Information concerning Crops:**

Agriculture is all concerning cultivation of Crops, Animals etc. Agricultural study says that growth of production are going to be obsessed on climate, soil and medicines and fertilizers.

And correct data facilitate to grow production of food we have a tendency to area unit providing all elaborate data concerning crop, fertilizers and animals etc.

- **News and feeds:**

Government of India can launch totally different Programs that area unit useful to Farmers however downside of poor performance of this program area unit they're not capable to achieve all and sundry and not capable to present correct data thus here we offer elaborate data and method of various programs cast Report.

V.SIMULATION & RESULTS

Traditional farming tolerated unheralded atmosphere wherever as, trendy farming offer predictable atmosphere by foretelling. ancient farming wants large amount of labour and numerous activities to travel through for conducting farming.

On the opposite hand trendy farming doesn't want large amount of labour since the mobile and machines lookout of everything. This application offers real time weather, news and market costs at totally different locations associated with farming that additionally in regional languages.

So, all the results of our application can facilitate farmer to boost their farming to yield additional profit.

Login form: **Registration form:**

(a)   (b)

Fig 2: (a) Login form (b) Registration Form

At the start-up of application there's beginning page wherever there's login for existing users. At the beginning of application, framers got to register 1st to allow their detail info in order that they will get info in step with their region.
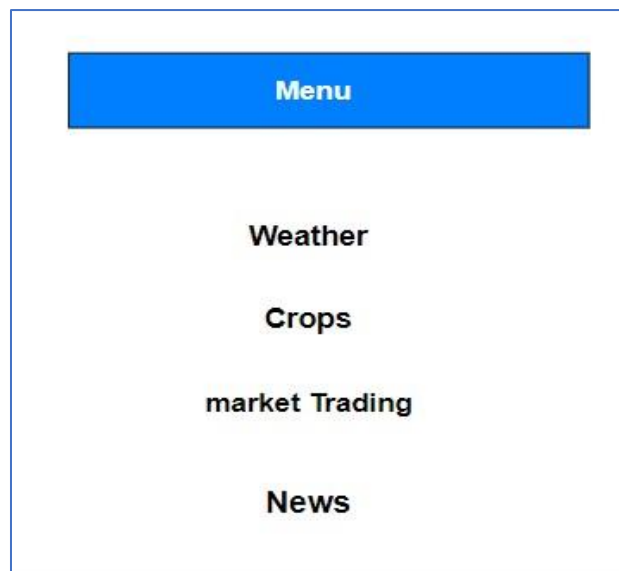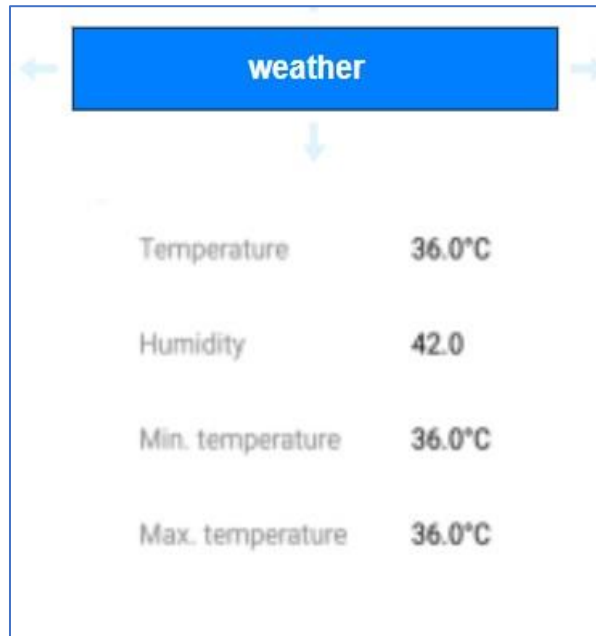
Menu Screen:

Fig3: Menu

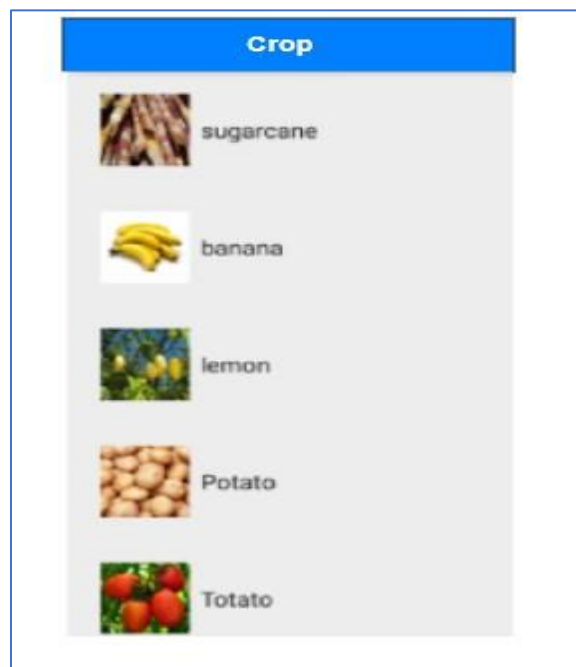This screen displays four totally different menu choices that are:

1.Weather
2.Crop
3.News
4.Market commerce

Weather Screen :

Weather forecasting provides user real time weather info this can facilitate farmers to require necessary call for his or her crops.
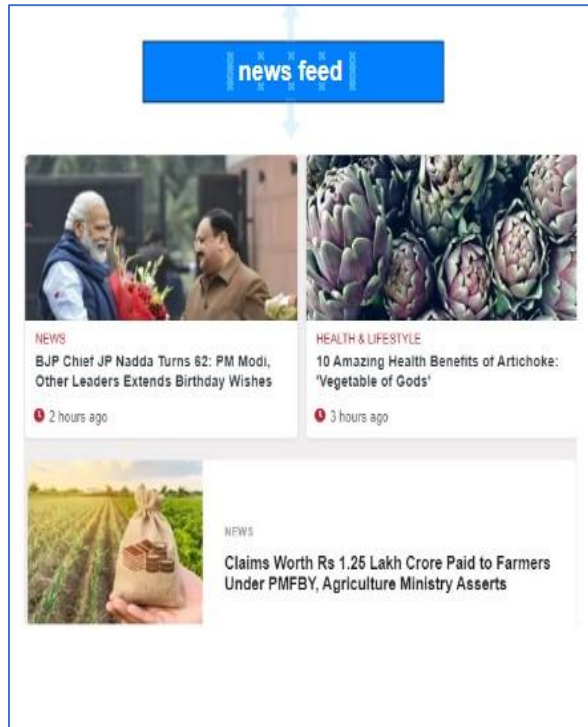
Crop Screen:

This crop screen provides users detail info regarding differing types of crops.Proper info helps to extend production of crops, food product, fertilizers and etc

News Feed:

This screen provides user detail info and method of various programs. The programs that are useful to farmers however downside of poor performance of those programs are, they're unable to succeed in every body and unable to allow correct info. That's why here we offer elaborate info and method of various programs.

Market Screen:

Vegetable	Price per kg (HOPCOMS)	Price per kg (K.R. Market)
Beans	80	70
Carrot	65	40 - 50
Capsicum	80 - 85	60
Brinjal	36	20 - 25
Lady's finger	40	25
Pumpkin (Ash gourd)	20 - 25	15
Cabbage	25 - 30	40
Tomato	6 - 25	4 - 6

Market commerce helps user to require essential choices to sell their crops in market.This helps farmers to create grate profit and find most of take pleasure in it.

VI. APPLICATION

This application would be boon to the Indian farmers because it addresses the key issues of obtaining the market updates of various product, weather updates and data concerning the rains and additionally give multiple language support. The farmers can derive bigger profit after they will create higher choices concerning wherever to sell their output once obtaining market costs for type of native and distant markets.

VII. CONCLUSION

Finally, with the analysis of current farmers data concerning fashionable farming techniques and actual development of recent techniques this application can additional useful them to urge all quite info solely in one bit on any time at anywhere.

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