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RESEARCH ARTICLE

A novel approach to practices agriculture as e-farming service

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ABSTRACT

Farming is the most important profession in India in spite of this; Nowadays peoples are concerned in farming belong to the lesser class and is in deep deficiency. The superior techniques and the manual machines which are most important the world to fresh heights, be lagging when it's involved to Farming, moreover they require of alertness of the superior services or the unavailability lead to the poor quality in Farming. Yet following all the tough work and the fabrication done via the farmers, during today's marketplace the farmers are cheated by the bad distributed Agents, leading toward the poverty. Agro-marketing will make all the thing routine which makes easier serve as a good clarification to the entire problems. E-farming would provide as a approach for the farmers to wholesale their products crossways the country later with a little basic knowledge regarding how to utilize the website. The location will lead the farmers in the entire aspects, the present market rate of special products, the whole sale and the earn takings in support of the sold products, access to the fresh farming technique throughout e-learning and central approach to sight dissimilar government's farming schemes as well as the compensation schemes used for farming. Receiving availed to the necessary information interrelated to the market and dissimilar yield can be made likely through the E-MAIL ability provides through the system.

Key words: Farming system, Weather information, E-mail system.

INTRODUCTION

Farmers are the spine of our nation; our entire world people depend on farming's techniques. Agriculture is the main role of the well-organized worth in India. Growth and wealth of the Indian nation depends underneath the lane of agricultural production. These gather the complete demands of assorted individuals. In this playing field of farming, promotion is deciding the worth of the farming products in situation of funds. Lots of farmers sustain their products all through rural community stage marketers and vendor toward the universal market with no easy-to-read their real price in Indian marketplace. So our main role of the project is building a correct website to the farmer and also they can access the every information about the farming via the mail. The true India lives in its village and lesser towns the future of India. Urban India has been unnoticed for other than 60 the most important source of profits of India is agriculture. So the growth is essentially listening carefully on the Indian Agriculture part. Newest technological growth has throughout an impressive change in every field and agriculture is no exception to it. Cloud computing machinery impacted absolutely on farming field and connected services they present for user. Farming is one the mainly important profitable division in our humankind. At the present time India is the greatest developing countries in the world. The purpose of information knowledge it interact the construction growth and market.

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It is upcoming various technologies a number of fields are going away successfully. first and foremost it is in medication, power, and developed and a few other area But still nowadays lot of farmers who is in lesser poverty are cheated by the some fake distributed agents even they are doing good production and also with lot of hard work they did not earn much due to the inter agents. So far we making E-farming to the farmer. Here in this website they access all the information and it is very useful to the farmers and also farmers can sell their products across the country and with some basic knowledge. They can also know how to sell the products to the mandi. This will useful to know regarding the government scheme and market deal. Mainly this would be expected to be obliging for farmers just about the country. This development is especially concerned to our cultivator that provides a well-located support to them. At this instance farmer can easily get all the accessible information regarding the marketing dealings on farming yield on his mail, through which the farmer own the straight control of the value. In this way, they will be able to set up an association of trust and swap over the information without mediators. This correlation would be recognized between distributed agents and Agricultural officer to would induce in trivial growth of rural areas.

Literature Review

In this paper they proposed marketing element. A require for this element is for avoid dealer system which is helpful and time resourceful for equally farmer and customer. The marketing element allow farmer to issue their farming products detail beside with their phone details The customer view this

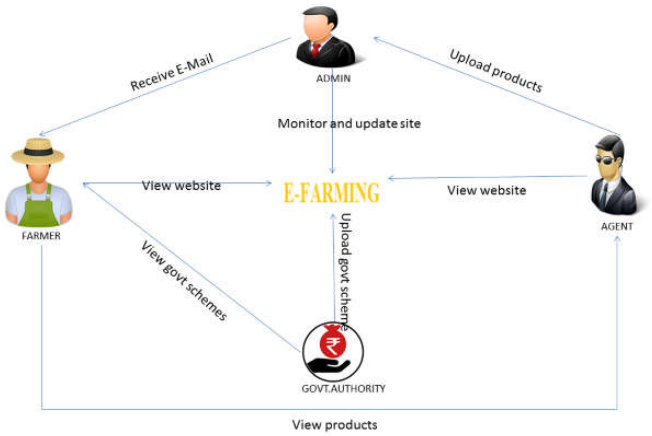
information then they contact the farmer for require products (Sauve, 2016). This paper they proposed some technique it can be apply to various situation with no change the usual system. Furthermore, this system provide useful in sequence in consecutive and control specific machinery in a matched manner going on the basis of renowned operation (Dogliotti, 2014). In this paper they using IOT technology, They using GSM and GPS technology also they preferred in sequence at any instantaneous of time beginning any element of planet and viewing their trouble immediately next to any element of the location (Kallas, 2007). In this paper they tell about the soil, on the top soil type and help to discover which exacting crop would be there fit for a exacting type of soil.

Therefore the cram will predict the correctness of a yield for a exacting climatic situation and they using agro algorithm in hadoop framework (Snapp, 2003). The location will direct the farmers In all the aspect, the present market time of different Products, the whole sale as well as the earned earnings for the sell Products, admittance to the fresh farming technique all the way through e-learning and this technique is very use for the farmers. Farmers can get the information through the sms (Adey, 2007). The main aspire of this paper is toward reach farmers used for their awareness, tradition and insight in e-Agriculture. A learn used statistical review plan technique toward collect information from farmers used for their wakefulness in e-Commerce. The outcome obtained indicate the level of wakefulness is fewer such that present is a require used for e-agriculture in goodwill of their sustain (Bell, 2008). In this paper they proposed data to the cloud designing some framework such as the weather, storage, pricing various products. It is the great recognition to the farmers and the agriculture. It will help the best price to the farmers using sms updates (Mercer, 2011).

In this paper they discuss the rural areas and some of the peoples dependent on the agricultural system enhancement in farming sector and using cloud computing technology through the sms updates and data as a service (Sossidou, 2011). In this paper they said about the IT technology some of the Japanese farmers some of them doing some duties such as the traceability records and tax records. They describe about the similarity between agricultural and cloud computing (Gabroussenko, 2009). In this paper they tell about the difficulties of the agricultural system. They also using cloud computing technology but still some of them are not updated. They do know how to use the website and all. This paper discusses latest technology using some services. (Biggs, 2009). In this paper they discuss about the agro production, marketing and sales. This paper introduces the large introduction about the cloud computing environment as well as the attractions of primary applications across the agricultural sector. Using cloud deployment, Farm management system, Cloud service models and cloud computing (Sauve, 2016).

In this paper they said about the agricultural sector implementing technologies to the farmers and effective can also have positive collision storage over the website in this paper they using software as a service it will provide plan to the farmers. Through the cloud service, and cloud computing (Bell, 2008). In this study they proposed an agri cloud design for rural Indian farmers, using some of the digital farming through the cloud computing. It will outcome the good productivity of their agricultural products and it will very useful to the farmers this techniques improve their life's.

System Design



Proposed Method

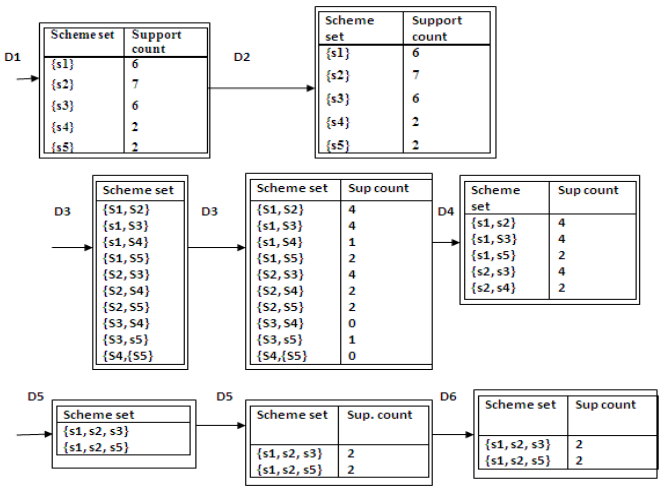
Algorithm

Fk: Farmer scheme set of size k;
Gk: Government frequent scheme set of size k
G1= {frequent scheme};
For (k=1; Gk! =0; k++) do begin
Gk+1=Farmers generated from Fk;
For each business deal B in database do
Increment the count of all farmers in Fk+1;
That is contained in B
Gk+1=farmers Fk+1 with min_support
End
Return UkGk;

Business Deal ID	Number of Scheme ID
B100	S1, S2, S5
B200	S2, S4
B300	S2, S3
B400	S1, S2, S4
B500	S1, S3
B600	S2, S3
B700	S1, S3
B800	S1, S2, S3, S5
B900	S1, S2, S3

Explanation

The algorithm basically scans all the business deals to check number of occurantses of each scheme. In D1 each schemes sets are scanned separately. The minimum support count is 2 that is min_sup=2. The scheme set values are compared with minimum support count and the result will be displayed in D2. Join D2*D2 then result is D3. After that scan the D3 give the support count values then the D3 values are compared with minimum support count then the result showed in D4. D4*D4 and the result will be D5 scan the D5 and give the support count values finally D5 values are compared with the minimum support count then the result will be D6. The solution will be B800 s1, s2, s3, s5.

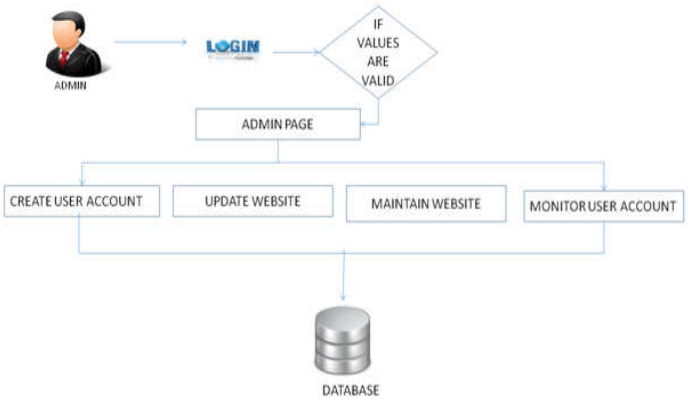


Modules and Description

Administrator

- Create and check account of user.
- Maintaining the website details.
- Provide the username and establishment as per user.

Renew the website



Distributed Agent

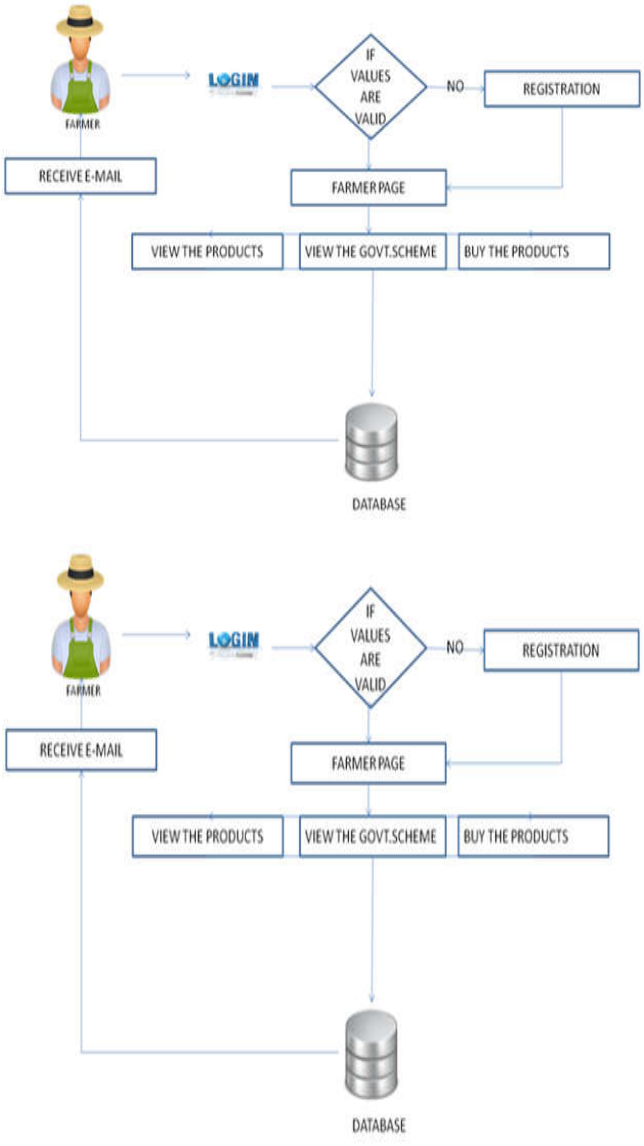
- Distributed Agent sells the manufactured goods to other agent or trader.
- Agent transfers the finance to farmer's account details while per the manufactured goods sale.

Government Officer

- Middle establishment can log-in to their financial records as created through administrator.
- Authorities can right to use all the details of the marketplace in the entire different tensile, district.
- They can vision turnover of the marketplace daily, weekly or monthly.
- Authenticate farmer's eligibility for recompense and schemes.
- Provide the valid explanation why the submission for schemes if has not been decided.
- Invoke appropriate activity in reaction to valid complaint about agent.

Farmer

- Farmers are able to create the new accounts, then they have some login id and login password along that id they will check their information and know the product seeds and they can also see their government schemes.
- Authentic farmers they will sell their product, maintain the costs from government and can also view his account funds and details.
- If user chooses as farmer after that there is choice to selectwhether he needs to take lecture or if he is previously known with online selling and selling afterwards he can straight go to sell their products.
- The Farmers are they will check their account on finance transfer.



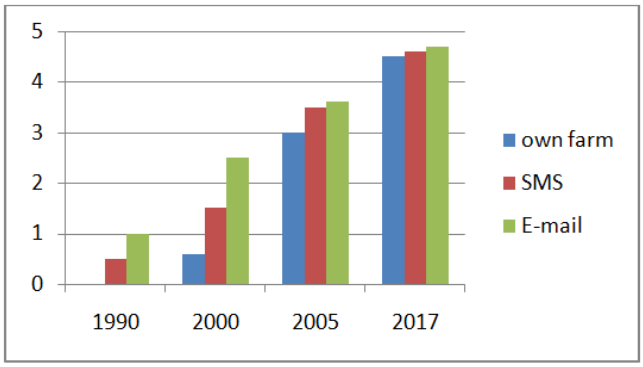
The fundamental modules occupy in project

- **Account Generation**: It includes the design of account, within the basic information of consumer, type of consumer, whether he is farmer, distributed agent or Government Officer is submit. All the way through this module, user get the single ID which serve as the individuality of user.
- **Marketing**: It includes price, bill and the Fund Transfer. Pricing will explain the farmer at what price his product has been sell. Billing will generate the bill following getting asked for from farmer in support of bill creation. Formed bill will be display on the sheet. Bill will contain of part price rate, whole bill amount,

commission of distributed agent, vehicle price, other overheads, etc. Farmer can able to download or print the receipt for future reference. Using finance transfer, Distributed Agent can transport the invoice total to farmers report and farmer can verify whether quantity has been transfer or not. One should be log-in for use this facility.

- **Market Information**: Farmer can also see their market in order of nearby marketplace. This will contains of selling charge of similar product, today's income, product-wise information like quantity, grade, selling rate, etc. It will provide commodity-wise, market-wise every day report, goods wise price through last week, community deal below MSP (maximum sale price), date wise price for specific community. Farmers can also search for particular product in particular period of exact market.
- **Compensation**: It lists the post provided through government to the casualty farmers of a variety of natural calamity like heavy rain, famine etc. They can concern for the same and can verify the status of their submission. Farmer can concern only after log in.
- **Government Schemes**: It lists all government schemes connected to particular manufactured goods and locale and can relate in the similar way as used for compensation.
- **E-Learning**: Include records, video and Audios work as a helpdesk. It will alert farmers about new trend and technique designed for farming the same as observe for different workshops so as to will be conducted. Consumer can outlook as well as download the contented.

E-Farming Survey



Conclusion

In this project we are building a website. It will help full to the farmers since Indian villages to sell their foodstuffs to different country markets. It is a manual approach for good and obvious marketing. Farmers can access the information whatever they want they using their login id and get the information also distributed agents and government officer sends the information through the E-mail. Admin only maintain and update the website. Farmers will obtain unique interface everywhere they can avail the whole thing right from starting knowledge to the market details they can also perform selling, get the current charge of market, catch in touch with E-MAIL, they can able to gather the information of different scheme and concern as well as confirm status of application. This website will perform as a unique and protected way to achieve agro-marketing.

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