

KRISHI BAZAR - APPLICATION USING ML

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Abstract - Krishi Bazaar is a digital platform for Agriculture services under a single roof. It will bring evolution in agriculture. It will get in touch in the farmers and customers through digital platform. It is platform for farmers to connect directly with their buyers for selling their products at better competitive rates. It will be easy for the buyers to get agricultural information, to compare the rates of products at one place and get profitable deals. It is an opportunity for managing business from anywhere. The digitalization and internet spread in rural areas allow farmers and customers to gain access to information, services and markets. And connect with the buyer. It will lower the cost of transportation for the sellers. Farmers can connect with Agri-Experts for agricultural problems, solutions, etc. Digitalization will make these things easy and accessible for farmers and customers. Development of nation depends on development of agriculture.

Key Words: Krishi bazaar, e-commerce, online portal, Digital bazaar, Agriculture

1. INTRODUCTION

Farmers are the most important part of our Indian society. They work hard every day so that we can eat food. But the question to be answered is: "Are they really getting equal amount of money to survive by selling their crops?" The answer is no.

Agriculture being the backbone to India. There exists a responsibility on us to not break the chain from agriculture for the further upcoming generations. Agriculture in India tells us about the marketing being based on the values, policies which involve offering a fair price to the farmer for their crop cultivated. This becomes beneficial for both the consumers as well as the farmers. Using this platform it acts as a motivation for the farmers and also encourages them to do farming as providing a fair price for their crops.

Krishi Bazaar is a platform where farmers connect with retailers, traders, wholesaler for selling agriculture produce at better and competitive rates.

2. RELATED WORK

Agriculture being the most important part of Indian tradition its falls on us to not break this chain for the further

upcoming generations. In the IRJET paper of Anaaz - A krishi bazar it tells us about the development of a application that is a very productive source for a common man. The ultimate aim of making this as a liable model is to put an end to the trauma and difficulty faced by the farmers because of the middlemen. This becomes beneficial for both the consumers as well as the farmers market. Anaaz is a platform which helps farmers to sell their crops directly to end users and price range are set according to quality of crops. Which directly reduces the problem of crops storage and is beneficial to both farmers and end users. This will also help in making agriculture a profitable zone.

In second paper "E-Krishi Kendra: An Innovative Frontier for Making Digital Indian Agriculture" it is a Agriculture Portal which is a unified network for farmers, Agribusiness sector, Agri Bazaar, Agri-Experts and Students, with innovative frontier of digitalization for make Digital Indian Agriculture. It is an e-commerce platform. It has five phases of working which are which is Farmers, Agri Input, Agri-Guides, Agri Students/professions and Agri-Bazaar. It provides multidisciplinary agronomic services, information to farmers on a variety of issue related to farming, commodity market and government's schemes. Direct Marketing of farm products. The hub for connecting the farmers to the Agri-Guides with a steady stream of information and services improving farming throughout year. E-Krishi Kendra provide Timeline (Social Media Corner), Purchase corner, Government corner, Crop Sell corner, Solution corner, Training corner and Recent Event Corner for farmers. This helps in decreasing poverty and increasing the GDP of India.

2. PROPOSED WORK

Krishi Bazaar is a platform where farmers connect with retailers, traders, wholesaler for selling agriculture produce at better and competitive rates.

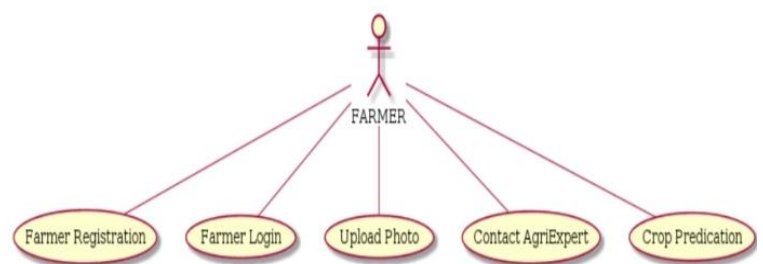


Figure 1

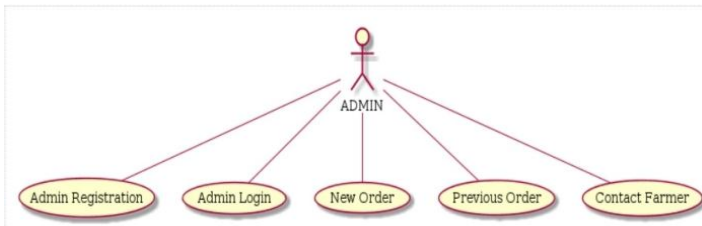


Figure 2

Farmers side Login

In this farmer will create their profile. Profile contains name, place, contact details, type of crops produced, etc. After creating a profile there will be details about different retailer, wholesaler and there like which type of crops they want. So now the farmers can get idea about the retailers then after clicking on particular retailer profile there will be option of uploading the information of the crop. After uploading and clicking on submit. These information will go to the retailer/buyer. If the particular retailer likes your crop they will contact you.

Retailers side Login:

On the retailer side the retailer will create a profile in which he/she will fill the details. After creating a profile they will put up there requirement of a crop which will be displayed to farmer. Farmers will respond to this. This will appear to the retailer. There can be number of farmers who responded. Retailer will select which crop he likes the most and contact the farmer.

Agri-Expert:

Agriculture Expert can give agricultural information, agricultural knowledge and problems solutions to farmers through the portal. It will have a discussion corner where we can discuss your problems or you can put your problems in Agri-Question which will be answered by Expert through call.

Crop Prediction using Decision Tree Algorithm:

Crop Prediction will help farmer in growing crop suitable to the climatic condition and soil condition which will eventually increase the yield of the field.

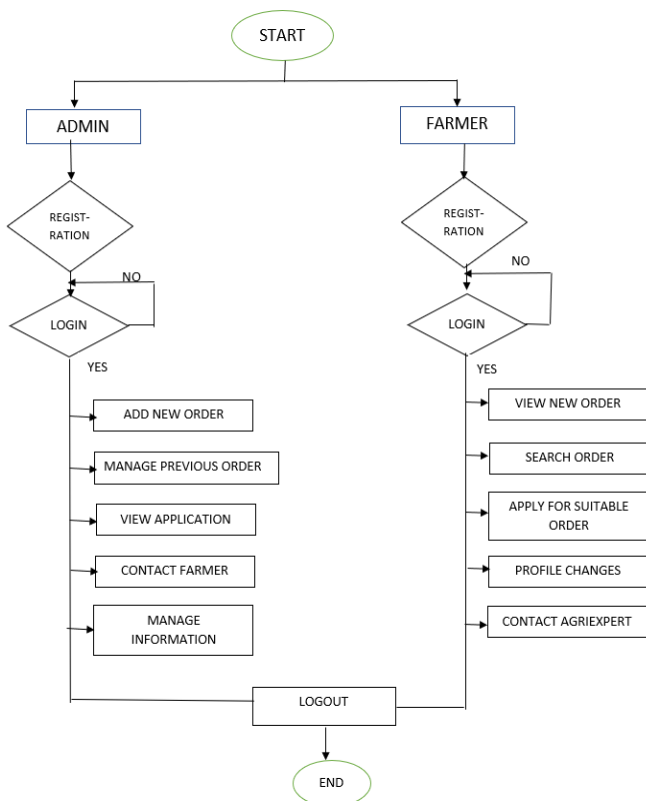
3. FUTURE WORK

Now we are close to develop proposed system. In future, we are about to develop a platform for proposed system, which will provide following features:

1. We will develop a application which is easy to use and very user-friendly.
2. Using this platform one can check out which crop can be grown according to the climatic condition and we develop a interface which will predict climatic condition which will help farmers in better yield.
2. This will reduce time consumption and allow farmer to sell crops in a better way by removing the middleman in the process.
3. We will also add a retailer to customer connecting feature in our application.
4. This will help retailers to get best product in market and using this platform one can check out various crops which are uploaded by the farmers of different regions by only sitting inside home.

5. CONCLUSION

It is true that marketing/business is done with the motive of profit. A village makes no progress if its farmers are not modern. So a village which has modern farm businesses, groups for work and marketing is a village where the farmer will ensure a better future which will indirectly lead to a better future for our country. Bringing digitalization will give farmers to get in touch with the best retailers with just few clicks. Through this platform we will make sure that is profitable to both the farmers and retailers. Since agriculture is backbone of our nation , it is our responsibility to keep it as the same for a lot more generations to come . This platform will encourage the farmers to continue farming and make sure they get the right fruit for their labour . And lead our country towards digitalization.



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