

Farmer Assistant System

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ABSTRACT

Agriculture occupies an important position in the Indian economy. Indian farmers today are facing the problems of low income due to lack of information about government schemes and crop prediction according to weather condition. Our farming assistant android app provides assistance to new as well as establish farmers to get the solution to day-to-day problems faced in the field such as labour finding, unexpected weather change. A farmer gets to connect with other farmers throughout India to get more information about a particular crop which is popular in other states with the help of community talk.

Keyword : - *Crop Prediction. Community talks ..farmers point. current wheather. Government Scheme. labour finding*

1. TITLE

Farming Assistant System is Android based project to help the farmers. This system helps farmers to solve their all queries related to farming. Farmer can find labours, crop prediction is done in this system. Also this system allows community talk. And it gives the information about current weather and all Government Schemes.

2. Front End & Back End

- Front end Tools:
 - XML
- Back End Tools: Java JDK
 - Android Studio
 - Firebase Database

3. Models

- 1] crop prediction
- 2] Farmer's point (community talk)

3] Government schemes

4] Labour finding

Farmer Assistant System

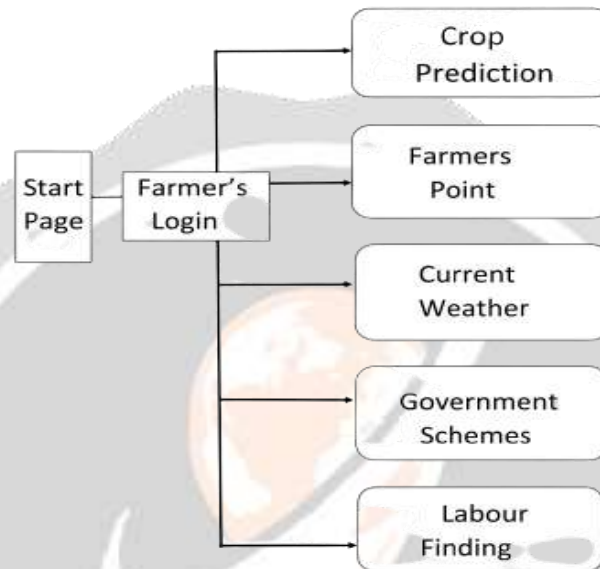


Fig: Data-Flow Diagram

3.1 Crop Prediction lack of access to agriculture knowledge and information about latest farming technologies leads to poor crop hence we introduce crop prediction feature.

3.2 Farmers Point

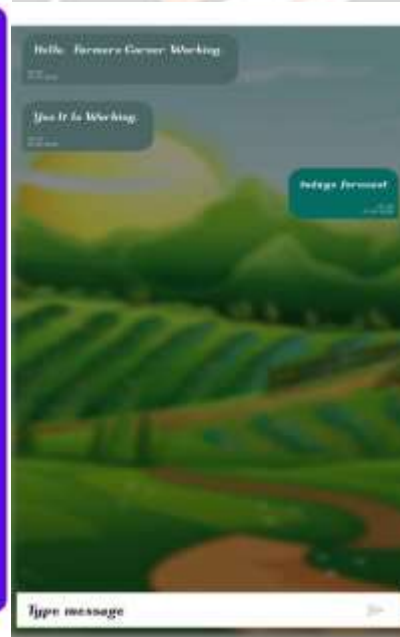
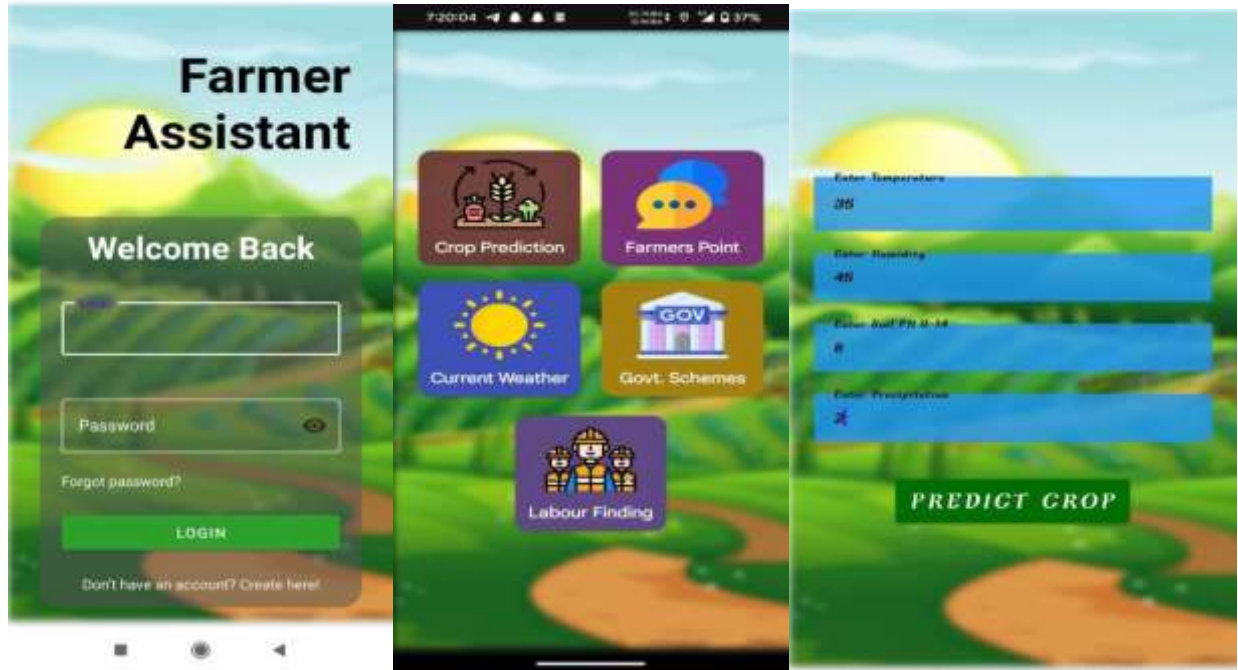
Community talk feature is also in this system. It helps to connect the farmers from different locality. Farmers who use this app can chat with each other using this feature and help each other to solve their queries related to farming.

3.3 Government Schemes

Farmers are unaware about the new government schemes so we add the notifications of government schemes section in this system. Due to this farmers get notified about every scheme and took benefit of it.

3.4 Labour Finding

Finding labour is become a difficult task now a days, farmers are unable to find workers easily. This system allows farmers to find the labours for the farm work.





4. CONCLUSIONS

Digitalization increasing across all the fields and it is high time to adopt digitalization into the field of agriculture as well to obtain better protection in terms of growth and yield. Keeping this intention as the motivation for the proposed model to help the farmers and make them self independent and digital. Due to each farmer tries his best to manage his farms but has no history of what was done , right or how to improve if something went wrong.

Based on this data farmer can change crop schedule. The problems of finding labours will solved. This app is being made for upcoming or existing farmers who are facing issues to get their solutions. This app will help the farmer to solve their queries by asking the doubts to another farmer in the farmers point section.

In conclusion our main aim is to increase the profit of the farmer and also help farmer to view the government schemes for farmer. The proposed system is capable of Finding Labour, Suggesting Crops Depending on Weather, And allows community talk.

5. REFERENCES

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